# CUSTOM LIGHTING

## Individual luminaires for unique locations

When light, luminaires and surroundings are in harmony, it results in locations with a unique atmosphere. For many years now, collaborating with planners and designers to develop unique lighting solutions and products that are individual in terms of how they work and look has been one of the strengths of Selux.


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## Olivio Nano

High-performance lighting technology in a miniaturised package: extra compact luminaire heads like the Olivio Nano offer new scope for creativity in the design of individual lighting solutions in the urban landscape. The organic form of the Olivio in the Nano size also conveys a sense of liveliness and naturalness – matching the flexible, glare-free light distributed over many light points of such multifunctional columns and poles.

**Lif hourglass**
Saint-Etienne, France

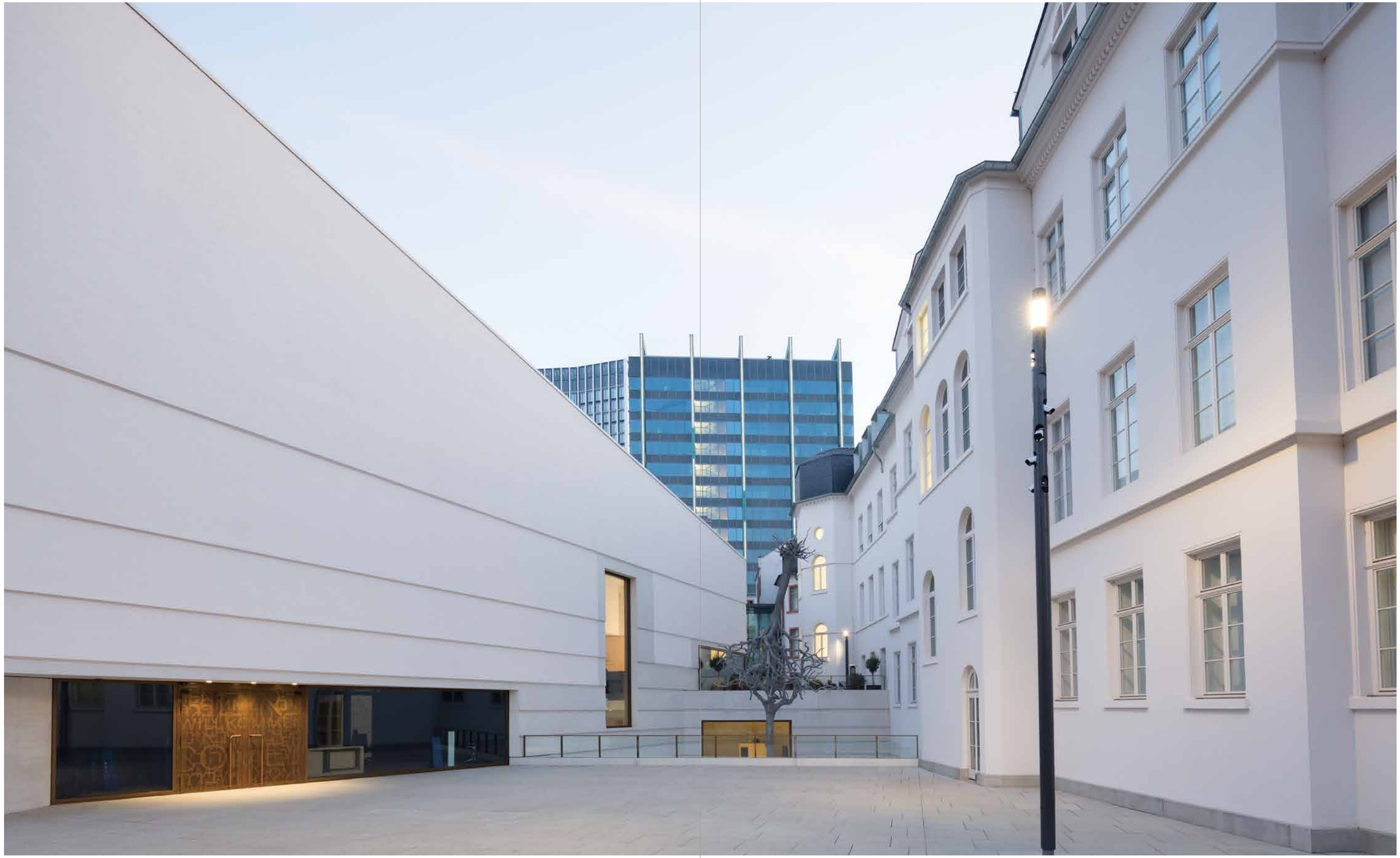
Unique, attractive yet highly practical. At stops on the T3 tram line in Saint-Etienne, hour glasses of light illustrate when the next tram is due to arrive. This design by the Cobalt Lumière design agency has been integrated into modified Lif light columns by Selux. The Lif is already in use at other locations in the city. As a system luminaire it is ideal for implementing smart, networked solutions such as this, which enhance both the quality of life of citizens and their relationship with the city.

**Lif with floral sleeves**
Rue Félix Faure, Cannes, France

In the redesigned Rue Félix Faure, a pedestrianised street in the heart of this famous Côte d'Azur resort, the planners of Agence Lumière have used the Lif light column to install multifunctional lighting technology with optional added smart functions. Customised details enable the columns to blend inconspicuously into the historic urban setting. A bespoke bronze shade as well as backlit sleeves in a floral pattern around the base of the pole lend them an unmistakably Mediterranean flavour.

**Multi-functional light column**
Hafenpromenade, Hamburg, Germany

The distinctive architecture of this new harbour promenade has been designed by the Zaha Hadid architects' bureau. When darkness falls, it is roused to life by light - guided light emphasises the staircases, the appearance of which is inspired by washouts in the sand. The inclined LED light poles, which discreetly illuminate the upper part of the harbour promenade, conjure up maritime associations – a tailor-made solution developed by Selux together with Schlotfeld Licht.

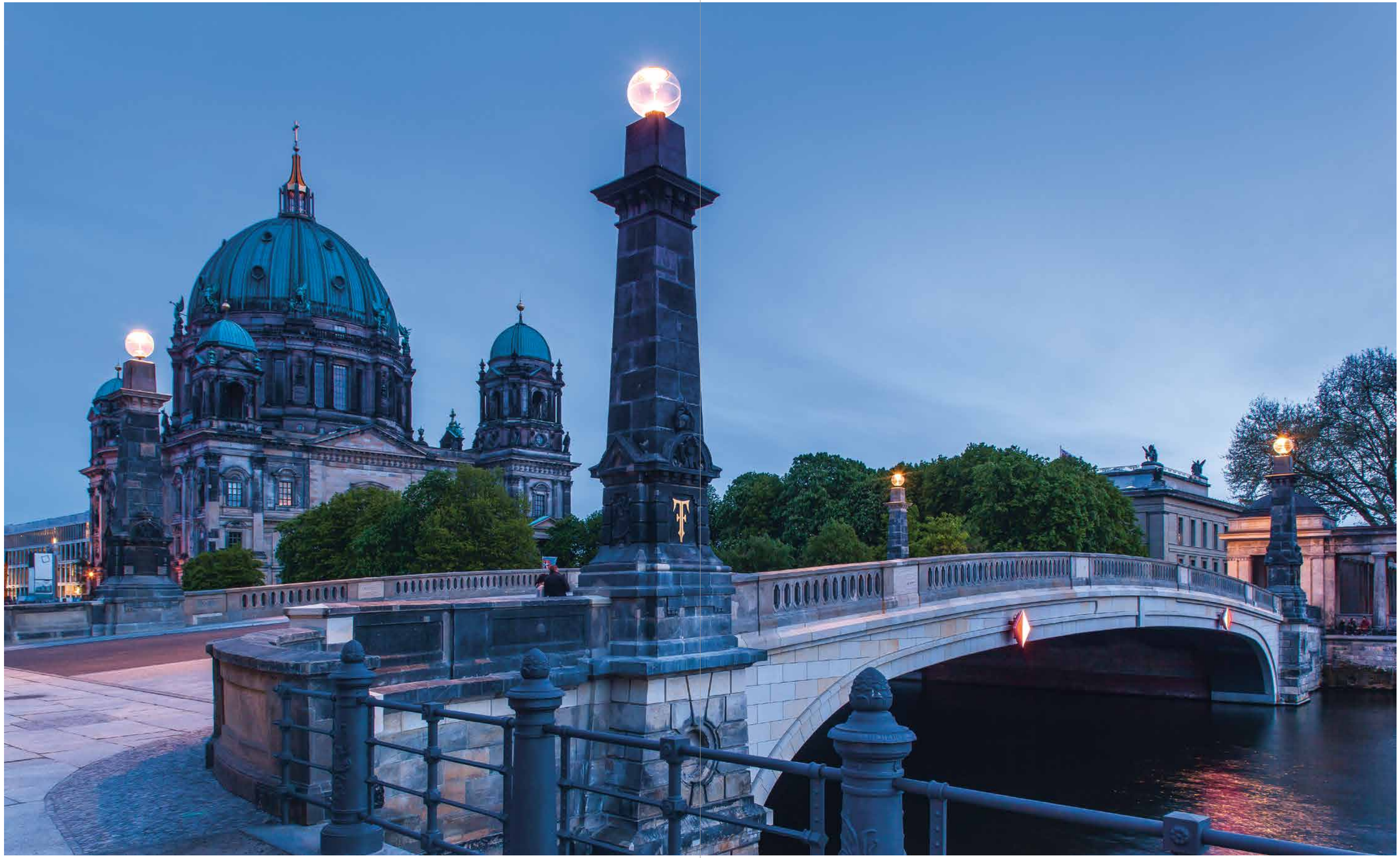


**Lif**
Jewish Museum, Frankfurt, Germany

In addition to the historical Rothschild Palais, which has housed the Jewish Museum in Frankfurt since 1988, in October 2020 a modern extension was opened for Jewish and present. At the intersection of old and new, a large forecourt was created, adorned by an 11-metre high tree sculpture by Ariel Schlesinger. Lif light columns set the stage for the new museum forecourt with inviting light, with integrated and adjustable cameras providing an additional important function.

**Shoebox-shaped luminaire**
Puma, Herzogenaurach, Germany

The famous red shoebox with the elegant big cat design was the source of inspiration for the architecture of the PUMA HQ building and the lighting design of its outdoor area. Specially developed single and double pole-top luminaires illuminate the roadway and the carpark of this building complex. The rectangular luminaire head in the shape of a half-open shoebox creates an accentuating effect from afar so that the light becomes part of the sports article manufacturer's corporate design.



**Spherical lights for the Friedrichsbrücke bridge**
Berlin, Germany

Overlooking the River Spree and Berlin's Museum Island, the Friedrichsbrücke is today one of the city's most romantic locations for declarations of love. After this listed bridge was rebuilt and widened, new lighting was installed on its sandstone obelisks. Based on the historic context provided by the Museum Island, the four spherical LED luminaires bathe the Friedrichsbrücke in glareless light without any disruption to pedestrians or the boats passing below.

**Cosy luminaires**
Graf-de-Chardonnet-Platz, Kelsterbach
Bad Kelsterbach, Germany

This square is at the centre of a new residential and industrial area in Kelsterbach near Frankfurt. The lighting concept, with its 6 to 8 metre Cosy light poles, lend an individual atmosphere to the urban setting. The modular luminaire family developed specifically for the project combines the relaxing design of a free-standing luminaire with state-of-the-art lighting technology and outstanding flexibility.

**Replica luminaires**
Karl-Marx-Allee, Berlin, Germany

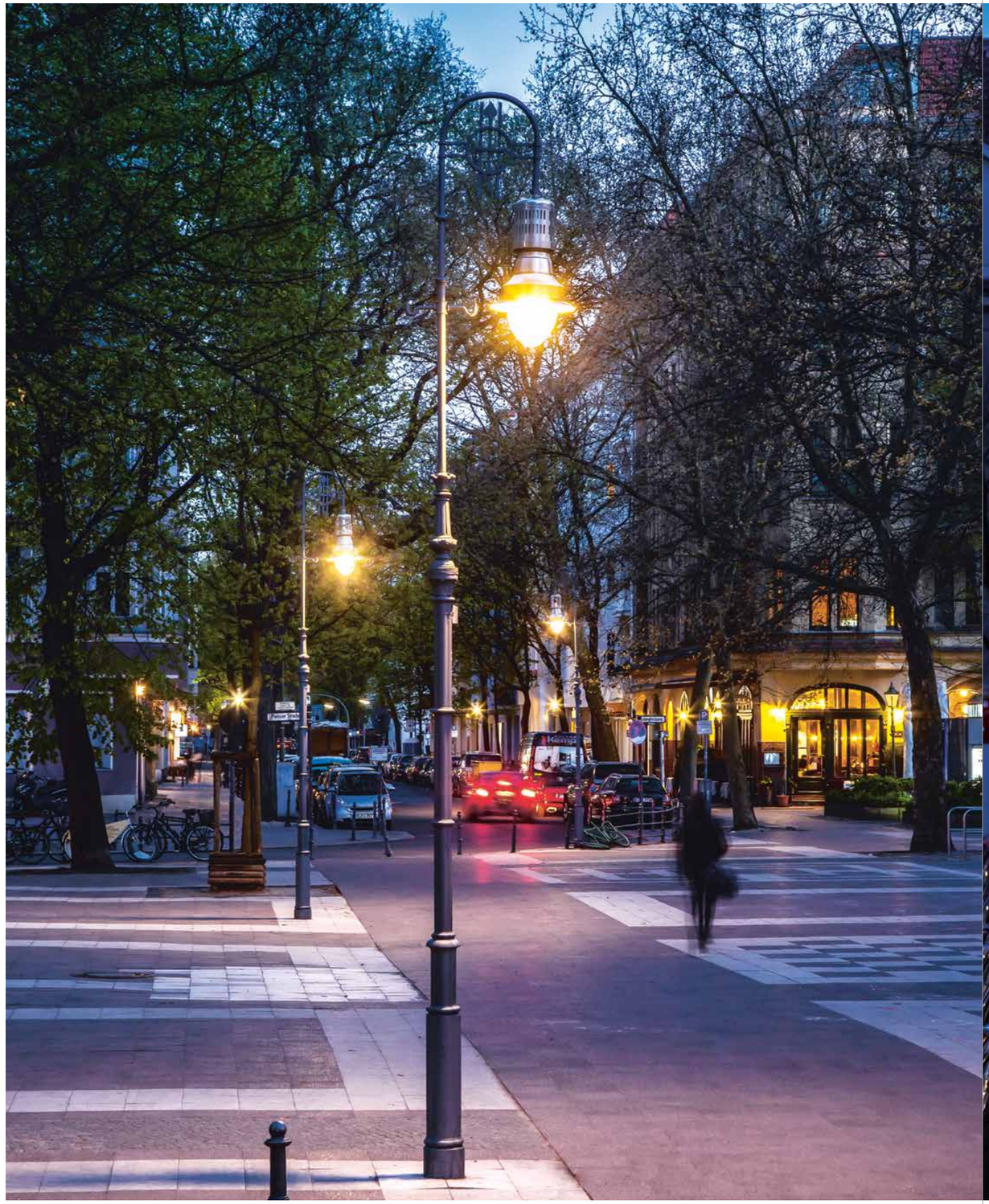
After almost 60 years, 39 faithful replicas of the former East German luminaires have been restored to the urban landscape of the Karl-Marx-Allee. Their 15.5-metre hexagonal light poles are a reminder of times almost left behind. Contemporary lighting technology has brought the exceptional lighting design of the 1960s back to life.

**Grachten lights**
Amsterdam, Netherlands

For illumination of the Amsterdam Grachten and the adjacent historic old town, Selux produced faithful copies of the original crown and knight lanterns with efficient LED technology. In both types of luminaires, a golden, faceted secondary reflector with asymmetrical light distribution ensures glareless light in a relaxing warm white colour.

**Gas replacement lanterns**
Neues Palais, Potsdam, Germany

In the protected grounds of this historic park, Selux replaced the historic gas lanterns with replicas using LED gear trays that are faithful to the original. In terms of both appearance and light colour, they are difficult to distinguish from the lanterns they replaced. At the same time, light quality and energy efficiency have improved significantly – with less maintenance required too.

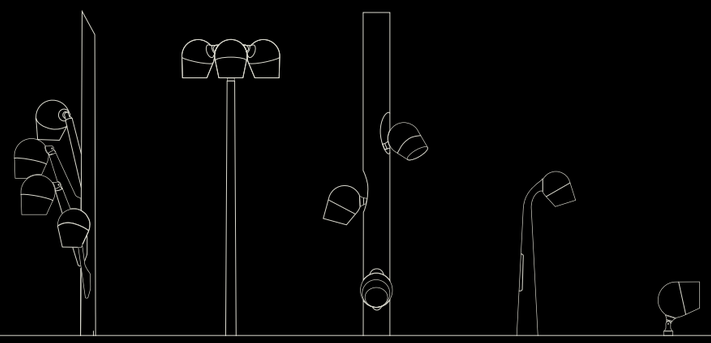


**Gas replacement lanterns**
Berlin, Germany

In residential neighbourhoods in Berlin and other European cities, gas lanterns are associated with warm and comfortable lighting. Their poor energy efficiency was a threat to their romanticism however. Using energy-saving, low-maintenance LED replacements, it has been possible to conserve both their memory and highly distinctive effect.

# APPENDIX

Tritec Optics
→ 72, 402



Olivio
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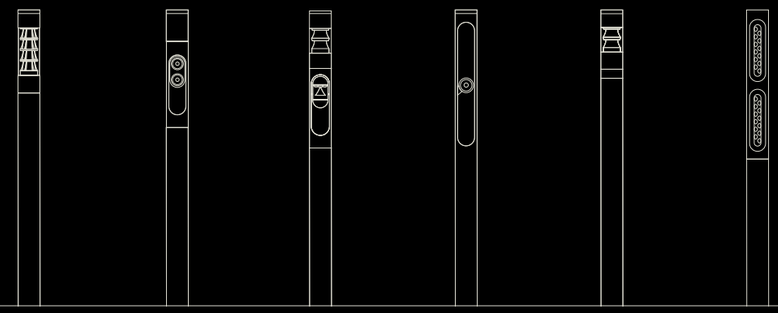
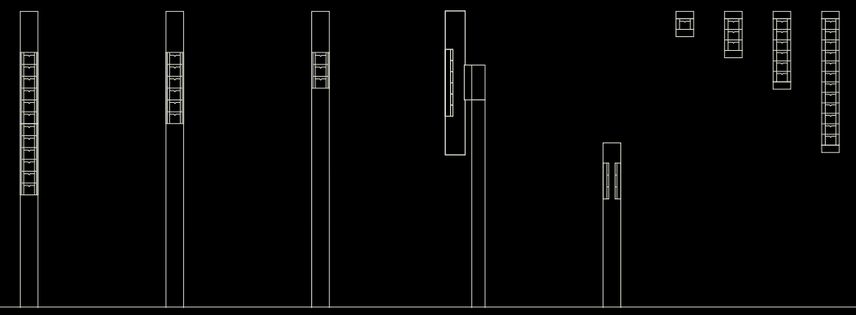


Lif
→ 114, 386



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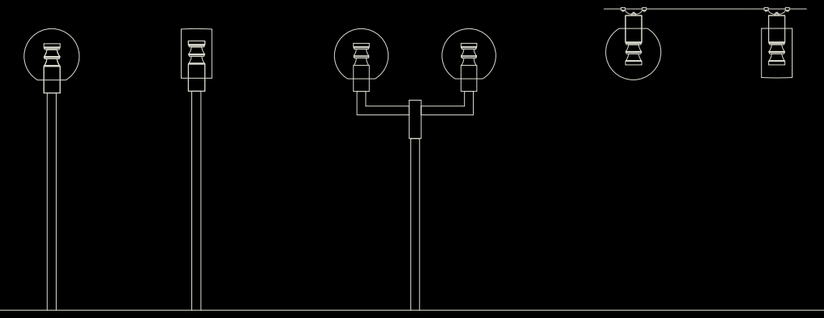

Aira
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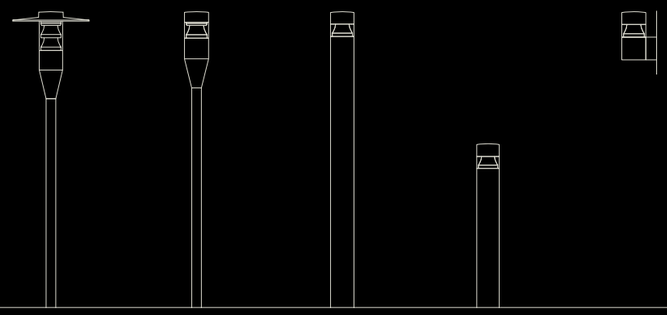
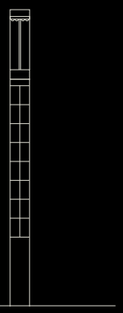


Elo
→ 200, 391



Solar Lukida
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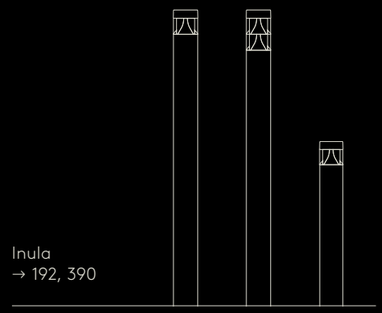

Inula
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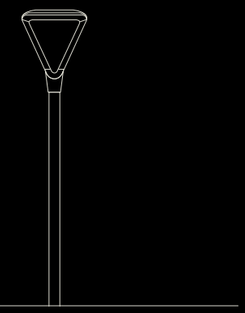

Mistella
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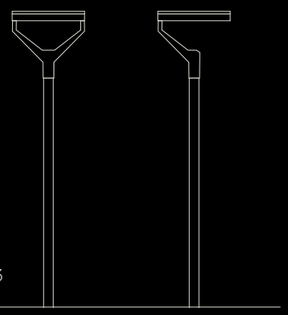

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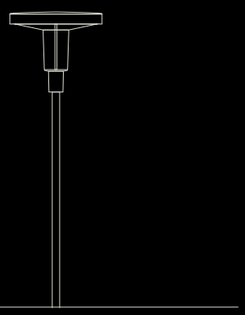
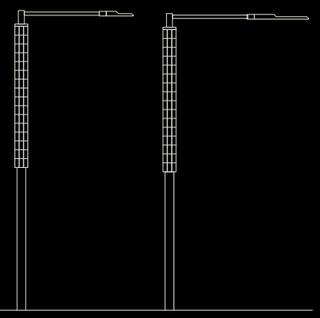
→ 246, 393

Trigo
→ 256, 393



Yloo
→ 274, 395

Solar Antares
→ 264, 396



Ylloo
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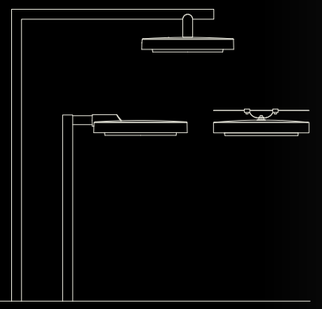

Avanza
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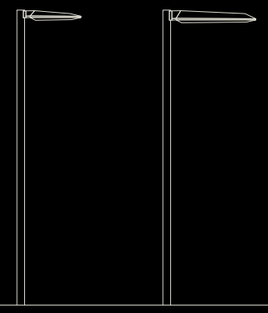

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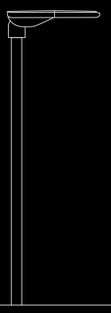

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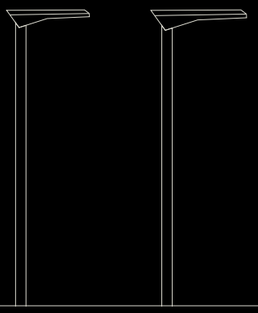
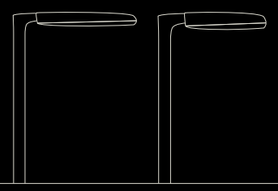


Arca
→ 318, 398

## Classics

Jessica
→ 342, 397



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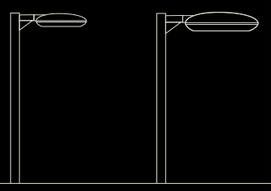

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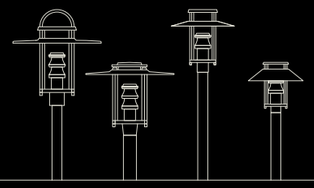

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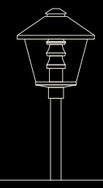

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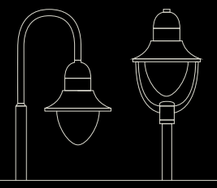

Lanova
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Sombreo
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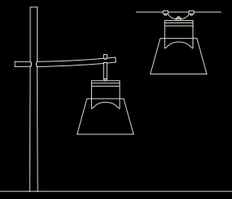

Rondero
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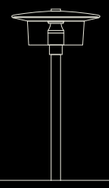

Trocadero
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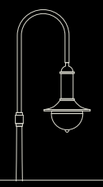

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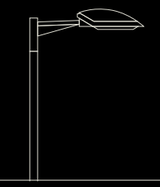

Urbi 1 / 3
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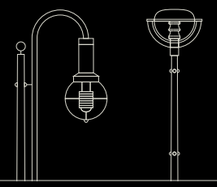

Hardenberg
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Witzleben
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Schupmann
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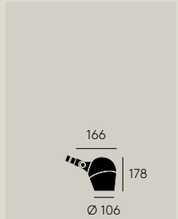
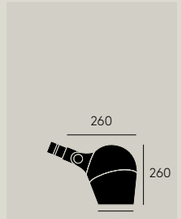
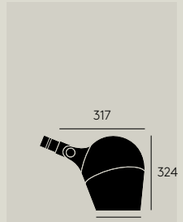
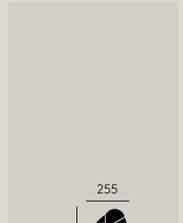
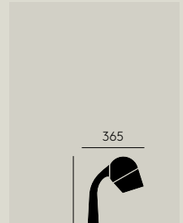
Technical information







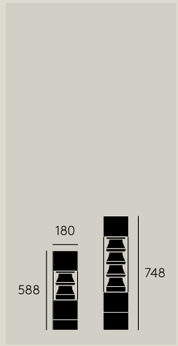


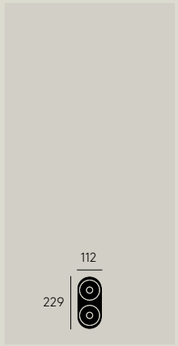


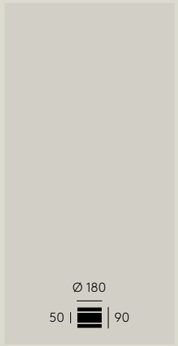


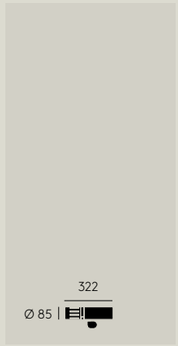
## Olivio

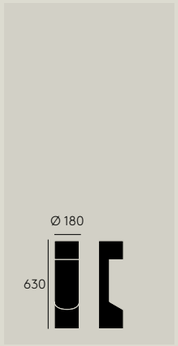
| Model | Olivio Piccolo | Olivio Medio | Olivio Grande | Olivio Piccolo Bollard | Olivio Medio Bollard | Olivio Universal Piccolo surface-mounted | Olivio Universal Medio surface-mounted | Olivio Universal Grande surface-mounted | Olivio Grande Gobo | Olivio Grande Camera housing element | Olivio Audio Speaker |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Light colour | 2700K<br>3000K<br>4000K<br>RGBW | 2700K<br>3000K<br>4000K<br>RGBW | 2700K<br>3000K<br>4000K<br>RGBW | 2700K<br>3000K<br>4000K | 2700K<br>3000K<br>4000K | 2700K<br>3000K<br>4000K<br>RGBW | 2700K<br>3000K<br>4000K<br>RGBW | 2700K<br>3000K<br>4000K<br>RGBW | 6500K | | |
| Light output (max.) | 1800lm | 3000lm | 4500lm | 1500lm | 2400lm | 1800lm | 3000lm | 4500lm | | | |
| CRI | ≥ 80 | ≥ 80 | ≥ 80 | ≥ 80 | ≥ 80 | ≥ 80 | ≥ 80 | ≥ 80 | | | |
| Light distribution | · asymm. street<br>· narrow<br>· medium<br>· wide | · asymm. street<br>· narrow<br>· medium<br>· wide | · asymm. street<br>· narrow<br>· medium<br>· wide | asymm. pathway | asymm. pathway | · narrow<br>· medium<br>· wide | · narrow<br>· medium<br>· wide | · narrow<br>· medium<br>· wide | · telephoto lens (150mm)<br>· standard lens (85mm)<br>· wide lens (63mm)<br>· extra wide lens (45mm) | | |
| Recommended heights | · Sistema up to 8000mm<br>· Floracion up to 8000mm | · Sistema: up to 12 000mm<br>· Floracion: up to 12 000mm<br>· Candelabra: 3500 and 4500mm | · Sistema: up to 12 000mm<br>· Floracion: up to 12 000mm<br>· Candelabra: 3500 and 4500mm | 1000mm | 1250mm | | | | 3500–12 000mm | 3500–12 000mm | 3500–12 000mm |
| Description | · reflector optics<br>· die-cast aluminium<br>· adjustable head joint, 20°–195°, ±180° rotatable<br>· flat safety glass | · reflector optics<br>· die-cast aluminium<br>· adjustable head joint, 20°–195°, ±180° rotatable<br>· flat safety glass | · reflector optics<br>· die-cast aluminium<br>· adjustable head joint, 20°–195°, ±180° rotatable<br>· flat safety glass | · reflector optics in combination with prismatic cover disc<br>· die-cast aluminium<br>· prismatic glass | · reflector optics in combination with prismatic cover disc<br>· die-cast aluminium<br>· prismatic glass | · reflector optics<br>· die-cast aluminium<br>· adjustable head joint, 20°–195°, ±180° rotatable<br>· flat safety glass | · reflector optics<br>· die-cast aluminium<br>· adjustable head joint, 20°–195°, ±180° rotatable<br>· flat safety glass | · reflector optics<br>· die-cast aluminium<br>· adjustable head joint, 20°–95°, ±180° rotatable<br>· flat safety glass | · for projection of images like graphics, logos and text<br>· die-cast aluminium<br>· adjustable head joint, 20°– 195°, ±180° rotatable<br>· flat safety glass | · for cameras up to Ø 150mm adapter plates for selected cameras of Axis, Bosch and Eneo available, other models / manufacturers on request<br>· adjustable head joint, 20°–195°, ±180° rotatable | · saltwater resistant full range 8 Ohm audio speaker for Olivio Piccolo, 4 Ohm for Olivio Grande and Medio<br>· adjustable head joint, 20°–195°, ±180° rotatable<br>· suitable for electroacoustic systems (ELS) via 100V transmission technology |
| Connection | can be combined with Olivio Sistema and Floracion poles and brackets | can be combined with Olivio Sistema, Floracion and Candelabra poles and brackets | can be combined with Olivio Sistema, Floracion and Candelabra poles a nd brackets | | | surface or buried base mounted fitting | surface or buried base mounted fitting | surface or buried base mounted fitting | can be combined with Olivio Sistema, Floracion and Candelabra poles and brackets | can be combined with Olivio Sistema, Floracion and Candelabra poles and brackets | can be combined with Olivio Sistema, Floracion and Candelabra poles and brackets |
| Controls | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | DALI | | |
| Labels | · IP67<br>· Protection Class II, optional I<br>· CE | · IP67<br>· Protection Class II, optional I<br>· CE | · IP67<br>· Protection Class II, optional I<br>· CE | · IP67<br>· Protection Class II, optional I<br>· CE | · IP67<br>· Protection Class II, optional I<br>· CE | · IP67<br>· Protection Class I<br>· CE | · IP67<br>· Protection Class I<br>· CE | · IP67<br>· Protection Class I<br>· CE | · IP67<br>· Protection Class II, optional I<br>· CE | CE | · IP65<br>· CE |

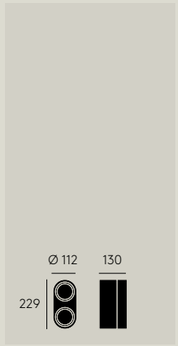


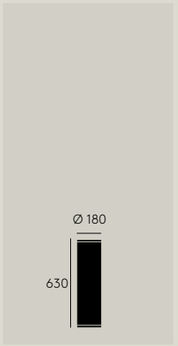


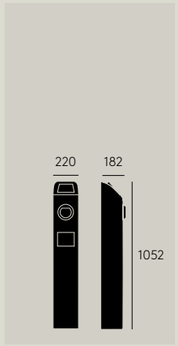


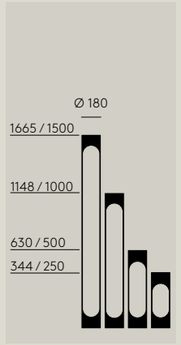



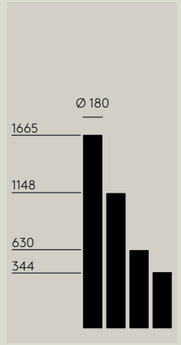



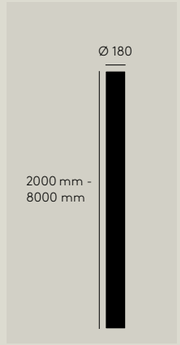



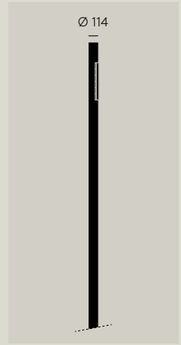

| | Lif | | | | | | | | | Charging station |
|---|---|---|---|---|---|---|---|---|---|---|
| Model | Lif Top element | Lif Pathway module | Lif Twinspot module | Lif Facade module | | Lif Accent element | Lif Gobo | Lif Camera housing element | Lif Audio Speaker module | Lif WiFi housing element | Charging station |
| Light colour | 2200K*<br>2700K<br>3000K<br>4000K | 3000K<br>4000K | 3000K<br>4000K | 3000K<br>4000K | | RGB | 6500K | | | | |
| Light output (max.) | 7200lm | 1800lm | 3600lm | 4800lm | | | | | | | |
| CRI | ≥80<br>≥70 at 2200K | ≥80 | ≥80 | ≥80 | | | | | | | |
| Light distribution | · asymm. street<br>· asymm. street with pathway*<br>· asymm.*<br>· symm. | asymm. street | · spot<br>· semi spot<br>· medium | vertical beam:<br>· parallel concentrated<br>· medium upward offset<br>· flood upward offset<br>· downwards near<br>· directed downwards | horizontal beam:<br>· symm. wide<br>· symm. narrow<br>· asymm. wide left or right<br>· asymm. narrow left or right | | · telephoto lens (150mm)<br>· standard lens (85mm)<br>· wide lens (63mm)<br>· extra wide lens (45mm) | | | | |
| Recommended heights | 3500–8000mm | 3500–8000mm | 3500–8000mm | 3500–8000mm | | 3500–8000mm | 3500–8000mm | 3500–8000mm | 3500–8000mm | 3500–8000mm | · top edge: approx. 1400mm<br>· lower edge: approx. 350mm |
| Description | · for the illumination of paths and squares<br>· Tritec optics A or S<br>· gold or silver coloured<br>· double or quadruple<br>· die-cast aluminium<br>· PMMA | · for the illumination of paths<br>· free-form lens optics in combination with reflector optics<br>· die-cast aluminium<br>· PMMA | · for spotlighting of objects<br>· Lens optics<br>· die-cast aluminium<br>· safety glass with polished edges<br>· ± 45° tiltable, ± 60° rotatable | · for illumination of facades, vertical structures or horizontal areas<br>· secondary reflector optics<br>· die-cast aluminium<br>· safety glass with polished edges | | · for ambient lighting<br>· aluminium housing with opal diffuser<br>· for use in a Lif mounting element | · for projection of images like graphics, logos and text<br>· die-cast aluminium<br>· safety glass | · applicable for dome cameras up to Ø150mm<br>· adapter plates for selected cameras of Axis, Bosch and Eneo available, other models/manufacturers on request<br>· freely rotatable between 360°<br>· galvanized steel housing | · saltwater resistant full range 8Ohm audio speaker<br>· housing die-cast aluminium<br>· suitable for electroacoustic systems (ELS) via 100V transmission technology | · for the reception of on-site WiFi antennas / access point<br>· on-site router is placed in the pole (2nd door necessary)<br>· easy maintenance<br>· aluminum body with black PMMA cover | · AC charging station for electric vehicles<br>· up to 22kW charging power<br>· ISO 15118<br>· Communication (Plug & Charge)<br>· full compliance with calibration laws<br>· compatible with numerous smart city applications |
| Connection | as the topmost element on the column | for use in a Lif mounting element | for use in a Lif mounting element | for use in a Lif mounting element | | as the topmost element on or within the column | for use in a Lif mounting element | · can be stacked on top of one another and installed as required rotation between 0–360°<br>· as a column termination or below the Top element | for use in a Lif mounting element | · as the topmost element on or within the column<br>· can be used within or as termination of the light column | · for use on Lif columns<br>· available for all Selux poles |
| Controls | · DALI<br>· Fixed setting<br>· dynamic<br>· CLT<br>· Zhaga interface | · DALI<br>· Fixed setting<br>· dynamic<br>· CLT | · DALI<br>· Fixed setting<br>· dynamic<br>· CLT | · DALI<br>· Fixed setting<br>· dynamic<br>· CLT | | DALI | · DALI<br>· Fixed setting<br>· dynamic<br>· CLT | | | | |
| Labels | · IP65<br>· Protection Class II, optional I<br>· CE<br>· ENEC 05 | · IP65<br>· Protection Class II, optional I<br>· CE<br>· ENEC 05 | · IP65<br>· Protection Class II, optional I<br>· CE<br>· ENEC 05 | · IP65<br>· Protection Class II, optional I<br>· CE<br>· ENEC 05 | | · IP65<br>· Protection Class II, optional I<br>· CE<br>· ENEC 05 | · IP54<br>· CE | CE | · IP65<br>· CE | · IP65<br>· CE | · IP54<br>· CE |

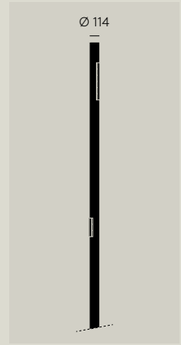
* Tritec S

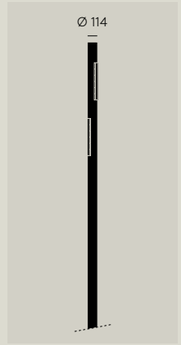


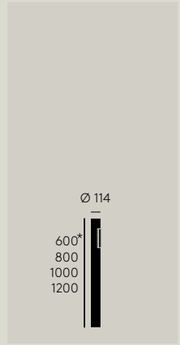



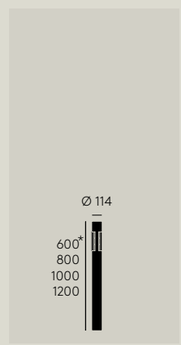



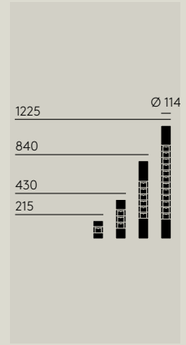



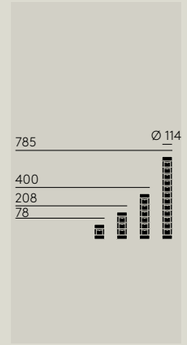



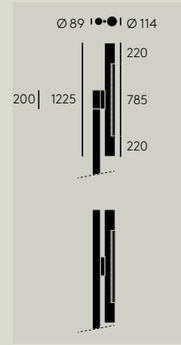



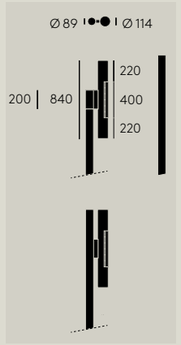



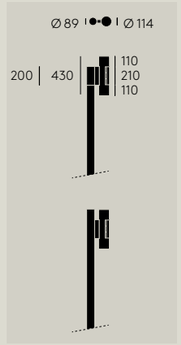



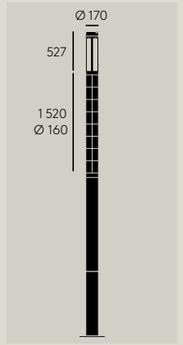

## Line

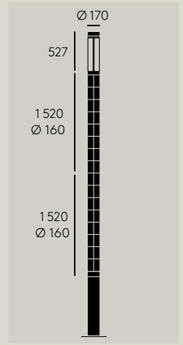
| Model | Lif Mounting element | Lif Intermediate element | Pole Base element | Line<br>Light column<br>asymm. street | Line<br>Light column<br>asymm. street + pathway | Line<br>Light column<br>symm. | Line<br>Bollard<br>asymm. | Line<br>Bollard<br>symm. | Line<br>Wall surface | Line<br>Wall recessed | Line<br>Pole top and lateral |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Light colour | | | | 2200K<br>2700K<br>3000K<br>4000K | 2200K<br>2700K<br>3000K<br>4000K | 2200K<br>2700K<br>3000K<br>4000K | 2200K<br>2700K<br>3000K<br>4000K | 2200K<br>2700K<br>3000K<br>4000K | 2200K<br>2700K<br>3000K<br>4000K | 2200K<br>2700K<br>3000K<br>4000K | 2200K<br>2700K<br>3000K<br>4000K |
| Light output (max.) | | | | 6000lm | 7500lm | 12000lm | 1500lm | 3000lm | 6000lm | 6000lm | 6000lm |
| CRI | | | | ≥80<br>≥70 at 2200K | ≥80<br>≥70 at 2200K | ≥80<br>≥70 at 2200K | ≥80<br>≥70 at 2200K | ≥80<br>≥70 at 2200K | ≥80<br>≥70 at 2200K | ≥80<br>≥70 at 2200K | ≥80<br>≥70 at 2200K |
| Light distribution | | | | · asymm. wide<br>· asymm. medium S<br>· asymm. S | · asymm. street + pathway (combination of standard light distributions: asymm. wide, medium S, asymm. S) | · symm. (combination of standard light distributions: asymm. wide, asymm. medium S, asymm. S) | · asymm. wide<br>· asymm. medium S | · symm. (combination of standard light distributions: asymm. wide, asymm. medium S) | · asymm. wide<br>· asymm. medium S<br>· asymm. S | · asymm. wide<br>· asymm. medium S<br>· asymm. S | · asymm. wide<br>· asymm. medium S<br>· asymm. S |
| Recommended heights | | | | 3000–7000mm | 3000–7000mm | 3000–7000mm | · 800mm<br>· 1000mm<br>· 1200mm | · 800mm<br>· 1000mm<br>· 1200mm | | | 3000–7000mm |
| Description | · for the mounting of Lif components or as a design element<br>· available in four sizes<br>· aluminium extruded profile with aluminium die-cast terminations<br>· profile cover made of PC (included separately) | · for the mounting of additional hardware<br>· including pole door<br>· available in four sizes<br>· steel | · the columns are manufactured taking in to account individually tailored basic element bodies<br>· this means that even for different configurations equal column heights can be guaranteed<br>· optional with up to 3 doors | · one reflector optic<br>· M12, M6, M3<br>· gold or silver reflector<br>· optional Comfort optics<br><br>· steel<br>· clear cover | · two reflector optics<br>· Street: M12, M6, M3<br>· pathway: M3<br>· gold or silver reflector<br>· optional Comfort optics<br><br>· steel<br>· clear cover | · two reflector optics<br>· M12, M6, M3<br>· gold or silver reflector<br>· optional Comfort optics<br><br>· steel<br>· clear cover | · one reflector optic<br>· M3, M1<br>· gold or silver reflector<br><br>· steel<br>· clear cover | · two reflector optics<br>· M3, M1<br>· gold or silver reflector<br><br>· steel<br>· clear cover | · reflector optics<br>· M12, M6, M3, M1<br>· gold or silver reflector<br>· optional Comfort optics<br><br>· aluminium<br>· clear cover | · reflector optics<br>· M12, M6, M3, M1<br>· gold or silver reflector<br>· optional Comfort optics<br><br>· aluminium<br>· clear cover | · M12 reflector optics<br>· gold or silver reflector<br>· optional Comfort optics<br><br>· aluminium<br>· clear cover |
| Connection | can be stacked on top of one another and installed as required rotation between 0°–360° | can be stacked on top of one another and installed as required rotation between 0°–360° | with flange plate | pole with buried base or flange plate | pole with buried base or flange plate | pole with buried base or flange plate | | | | | · for pole spigot Ø60mm<br>· for pole spigot Ø76mm |
| Controls | | | | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br><br>· Zhaga interface | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br><br>· Zhaga interface | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br><br>· Zhaga interface | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br><br>· Zhaga interface | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br><br>· Zhaga interface | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br><br>· Zhaga interface |
| Labels | CE | CE | CE | · IP65<br>· Protection Class II, optional I<br>· CE | · IP65<br>· Protection Class II, optional I<br>· CE | · IP65<br>· Protection Class II, optional I<br>· CE | · IP65<br>· Protection Class II, optional I<br>· CE | · IP65<br>· Protection Class II, optional I<br>· CE | · IP65<br>· Protection Class II, optional I<br>· CE | · IP65<br>· Protection Class II, optional I<br>· CE | · IP65<br>· Protection Class II, optional I<br>· CE |

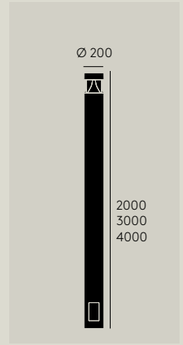
*with M1 module

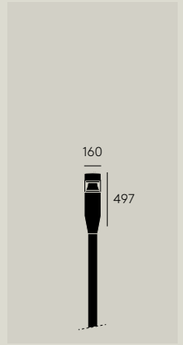


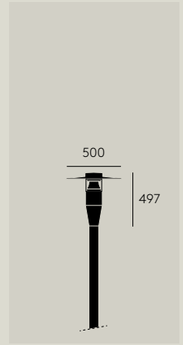



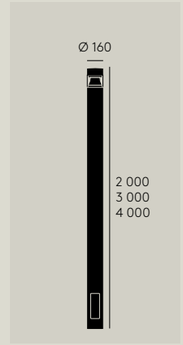



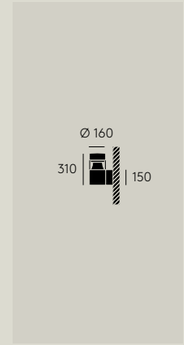





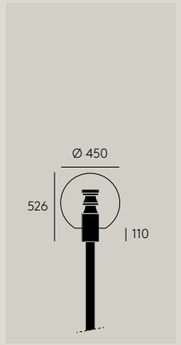



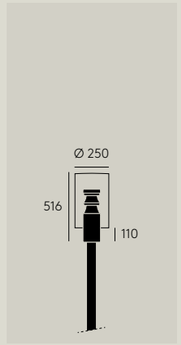



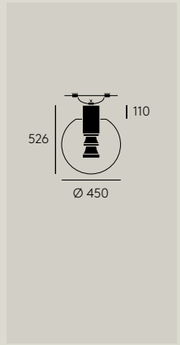


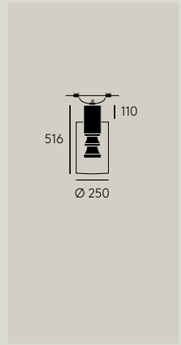

| | | | Solar Lukida | | Inula | | Elo | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | Line<br>M6 Pole top and lateral | Line<br>M3 Pole top and lateral | Lukida 4000<br>P100-160<br>Solar-Light column | Lukida 4000<br>P200-160<br>Solar-Light column | Inula<br>Light column | Inula<br>Bollard | Elo Pure<br>Pole top | Elo Shape<br>Pole top | Elo<br>Light column | Elo<br>Bollard | Elo<br>Wall |
| Light colour | 2200K<br>2700K<br>3000K<br>4000K | 2200K<br>2700K<br>3000K<br>4000K | 2700K<br>3000K<br>4000K | 2700K<br>3000K<br>4000K | 2700K<br>3000K<br>4000K | 2700K<br>3000K<br>4000K | 2200K*<br>2700K<br>3000K<br>4000K | 2200K*<br>2700K<br>3000K<br>4000K | 2200K*<br>2700K<br>3000K<br>4000K | 2200K*<br>2700K<br>3000K<br>4000K | 2200K*<br>2700K<br>3000K<br>4000K |
| Light output (max.) | 3000lm | 1500lm | 3600lm | 3600lm | 6000lm | 2100lm | 5400lm – Tritec A<br>4200lm – Tritec S | 5400lm – Tritec A<br>4200lm – Tritec S | 5400lm – Tritec A<br>4200lm – Tritec S | 1500lm – Tritec A<br>2400lm – Tritec S | 2400lm – Tritec A<br>1500lm – Tritec S |
| CRI | ≥ 80<br>≥ 70 at 2200K | ≥ 80<br>≥ 70 at 2200K | ≥ 70<br>≥ 80 at 2700K | ≥ 70<br>≥ 80 at 2700K | ≥ 80 | ≥ 80 | ≥ 80<br>≥ 70 at 2200K | ≥ 80<br>≥ 70 at 2200K | ≥ 80<br>≥ 70 at 2200K | ≥ 80<br>≥ 70 at 2200K | ≥ 80<br>≥ 70 at 2200K |
| Light distribution | · asymm. wide<br>· asymm. medium S<br>· asymm. S | · asymm. wide<br>· asymm. medium S<br>· asymm. S | · asymm. street<br>· asymm. street and pathway<br>· symm.<br>· symm. long | · asymm. street<br>· asymm. street and pathway<br>· symm.<br>· symm. long | · asymm. pathway 2Q<br>· symm. 4Q | · asymm. 2Q<br>· asymm. 1Q<br>· symm. 4Q | · asymm. pathway<br>· asymm. street with pathway*<br>· asymm.*<br>· symm. | · asymm. pathway<br>· asymm. street with pathway*<br>· asymm.*<br>· symm. | · asymm. pathway<br>· asymm. street with pathway*<br>· asymm.*<br>· symm. | · asymm. pathway<br>· symm. | asymm. |
| Recommended heights | 3000–6000mm | 3000–5000mm | 4000–6000mm | 5000–8000mm | 2000–4000mm | · 800mm<br>· 1000mm<br>· 1200mm | 3500–4500mm | 3500–4500mm | 2000–4000mm | · 800mm<br>· 1000mm<br>· 1200mm | · 800mm<br>· 1000mm<br>· 1200mm |
| Description | · M6 reflector optics<br>· gold or silver reflector<br>· optional Comfort optics<br><br>· Aluminium<br>· clear cover | · M3 reflector optics<br>· gold or silver reflector<br>· optional Comfort optics<br><br>· Aluminium<br>· clear cover | · freeform lens optics<br><br>· aluminium luminaire head<br>· PMMA moulded body<br>· Solar module, cylindrical, single, Ø 160mm,<br>· peak power up to 115W<br>· lead battery integrated in pole, other battery types on request<br>· hybrid feature optional<br>· pole in different lengths | · free-form lens optics<br><br>· aluminium luminaire head<br>· PMMA moulded body<br>· Solar module, cylindrical, double, Ø 160mm,<br>· peak power up to 230W<br>· lead battery integrated in pole, other battery types on request<br>· hybrid feature optional<br>· pole in different lengths | · PMMA freeform-lens optics, single or double<br><br>· light engine die-cast aluminium<br>· column tube aluminium | · PMMA freeform lens optics<br><br>· light engine die-cast aluminium<br>· bollard tube aluminium | · Tritec optics A or S<br>· gold or silver reflector<br>· single or double<br><br>· die-cast aluminium<br>· clear PC diffuser | · Tritec optics A or S<br>· gold or silver reflector<br>· single or double<br><br>· die-cast aluminium<br>· clear PC diffuser | · Tritec optics A or S<br>· gold or silver reflector<br>· single or double<br><br>· die-cast aluminium<br>· clear PC diffuser<br>· column tube steel, galvanised | · Tritec optics A or S<br>· gold or silver reflector<br>· single or double<br><br>· die-cast aluminium<br>· clear PC diffuser<br>· column tube steel, galvanised | · Tritec optics A or S<br>· gold or silver reflector<br>· single or double<br><br>· die-cast aluminium<br>· clear PC diffuser<br>· steel wall bracket |
| Connection | · for pole spigot Ø 60mm<br>· for pole spigot Ø 76mm | · for pole spigot Ø 60mm<br>· for pole spigot Ø 76mm | pole with buried base or flange plate | pole with buried base or flange plate | pole with buried base or flange plate | | · for pole spigot Ø 60mm<br>· for pole spigot Ø 76mm | · for pole spigot Ø 60mm<br>· for pole spigot Ø 76mm | pole with buried base or flange plate | | |
| Controls | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br><br>· Zhaga interface | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br><br>· Zhaga interface | · integrated microcontroller for efficient use of solar energy<br>· with intelligent dimming profiles<br>· optional motion detector<br>· optional integration in Smart City systems via interface | · integrated microcontroller for efficient use of solar energy<br>· with intelligent dimming profiles<br>· optional motion detector<br>· optional integration in Smart City systems via interface | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT |
| Labels | · IP65<br>· Protection Class II, optional I<br>· CE | · IP65<br>· Protection Class II, optional I<br>· CE | · IP65<br>· CE | · IP65<br>· CE | · IP66<br>· Protection Class II, optional I<br>· CE | · IP66<br>· Protection Class II, optional I<br>· CE | · IP66<br>· IK10<br>· Protection Class II, optional I<br>· CE<br>· ENEC 05 | · IP66<br>· IK10<br>· Protection Class II, optional I<br>· CE<br>· ENEC 05 | · IP66<br>· IK10<br>· Protection Class II, optional I<br>· CE<br>· ENEC 05 | · IP66<br>· IK10<br>· Protection Class II, optional I<br>· CE<br>· ENEC 05 | · IP65<br>· IK10<br>· Protection Class II, optional I<br>· CE<br>· ENEC 05 |

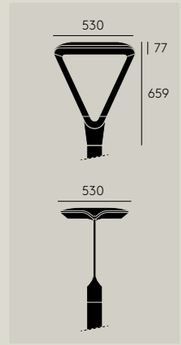
* Tritec S



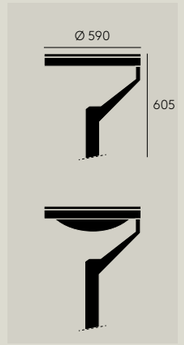



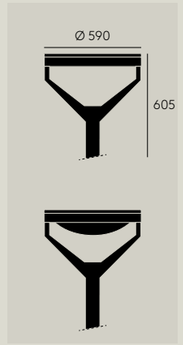



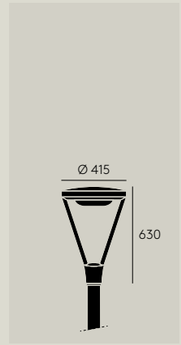

| | Aira | | | | Mistella |
|---|---|---|---|---|---|
| Model | Aira Sphere<br>Pole top | Aira Cylinder<br>Pole top | Aira Sphere<br>Catenary | Aira Cylinder<br>Catenary | Mistella<br>Pole top |
| Light colour | 2200K*<br>2700K<br>3000K<br>4000K | 2200K*<br>2700K<br>3000K<br>4000K | 2700K<br>3000K<br>4000K | 2700K<br>3000K<br>4000K | 2700K<br>3000K<br>4000K |
| Light output (max.) | 5400lm – Tritec A<br>4500lm – Tritec S | 5400lm – Tritec A<br>4500lm – Tritec S | 5400lm | 5400lm | 6000lm |
| CRI | ≥ 80<br>≥ 70 at 2200K | ≥ 80<br>≥ 70 at 2200K | ≥ 80<br>≥ 70 at 2200K | ≥ 80 | ≥ 80 |
| Light distribution | · asymm. street<br>· asymm. street with pathway*<br>· asymm.*<br>· symm. | · asymm. street<br>· asymm. street with pathway*<br>· asymm.*<br>· symm. | · asymm. street<br>· asymm. street with pathway<br>· symm. | · asymm. street<br>· asymm. street with pathway<br>· symm. | · asymm. street<br>· asymm.<br>· symm. |
| Recommended heights | 3500–5000mm | 3500–5000mm | 3500–5000mm | 3500–5000mm | 3500–5000mm |
| Description | · Tritec optics A or S<br>· gold or silver reflector<br>· single or double<br><br>· die-cast aluminium<br>· clear PMMA diffuser | · Tritec optics A or S<br>· gold or silver reflector<br>· single or double<br><br>· die-cast aluminium<br>· clear PMMA diffuser | · Tritec optics A or S<br>· gold or silver reflector<br>· single or double<br><br>· die-cast aluminium<br>· clear PMMA diffuser | · Tritec optics A or S<br>· gold or silver reflector<br>· single or double<br><br>· die-cast aluminium<br>· clear PMMA diffuser | · Gen 5 silicone lenses<br><br>· die-cast aluminium |
| Connection | · for pole spigot Ø 60mm<br>· for pole spigot Ø 76mm | · for pole spigot Ø 60mm<br>· for pole spigot Ø 76mm | catenary suspension with adjustable tilt and orientation | catenary suspension with adjustable tilt and orientation | · for pole spigot Ø 60mm<br>· for pole spigot Ø 76mm |
| Controls | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br><br>· Zhaga interface | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br><br>· Zhaga interface | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br><br>· Zhaga interface | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br><br>· Zhaga interface | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br><br>· Zhaga interface |
| Labels | · IP65<br>· IK07<br>· Protection Class II, optional I<br>· CE | · IP65<br>· IK08<br>· Protection Class II, optional I<br>· CE | · IP65<br>· IK07<br>· Protection Class II, optional I<br>· CE | · IP65<br>· IK08<br>· Protection Class II, optional I<br>· CE | · IP65<br>· IK09<br>· Protection Class II, optional I<br>· CE |

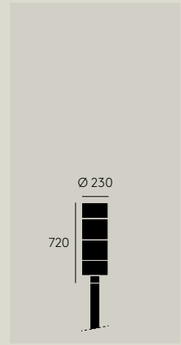
* Tritec S

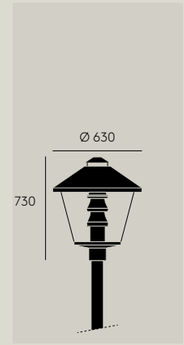




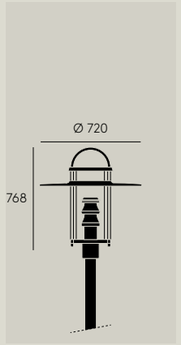



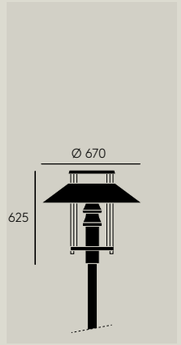



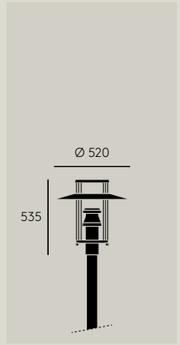


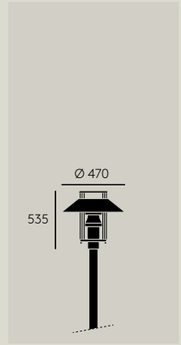

| | Astro | | Trigo | Lanova | | Alpha |
|---|---|---|---|---|---|---|
| Model | Astro 1<br>Pole top | Astro 2<br>Pole top | Trigo<br>Pole top | Lanova 230<br>Pole top | Lanova 250<br>Catenary | Alpha<br>Pole top |
| Light colour | 2700K<br>3000K<br>4000K | 2700K<br>3000K<br>4000K | 2700K<br>3000K<br>4000K | 3000K<br>4000K | 3000K<br>4000K | 2200K*<br>2700K<br>3000K<br>4000K |
| Light output (max.) | 4500lm | 4500lm | 4500lm | 3300lm | 3300lm | 5400lm – Tritec A<br>4500lm – Tritec S |
| CRI | ≥ 80 | ≥ 80 | ≥ 80 | ≥ 80 | ≥ 80 | ≥ 80<br>≥ 70 at 2200K |
| Light distribution | · asymm. street<br>· asymm.<br>· symm. | · asymm. street<br>· asymm.<br>· symm. | · asymm. street<br>· asymm.<br>· symm. | · asymm. street<br>· asymm.<br>· symm. | · asymm. street<br>· symm. | · asymm. street<br>· asymm. street with pathway*<br>· asymm.*<br>· symm. |
| Recommended heights | 3500–5000mm | 3500–5000mm | 3500–4500mm | 4000–5000mm | 4000–5000mm | 3500–4500mm |
| Description | · reflector optics<br><br>· die-cast aluminium<br>· ring or pillow corona<br>· flat glass or clear convex PMMA diffuser | · reflector optics<br><br>· die-cast aluminium<br>· ring or pillow corona<br>· flat glass or clear convex PMMA diffuser | · reflector optics<br><br>· die-cast aluminium<br>· PMMA diffuser | · reflector optics<br><br>· die-cast aluminium<br>· partly satin finished PMMA diffuser | · reflector optics<br><br>· die-cast aluminium<br>· clear PMMA diffuser with opal cover | · Tritec optics A or S<br>· gold or silver reflector<br>· single or double<br><br>· die-cast aluminium<br>· clear PC diffuser |
| Connection | · for pole spigot Ø 60mm<br>· for pole spigot Ø 76mm | · for pole spigot Ø 60mm<br>· for pole spigot Ø 76mm | · for pole spigot Ø 60mm<br>· for pole spigot Ø 76mm | for pole spigot Ø 76mm | catenary suspension with adjustable tilt and orientation | for pole spigot Ø 90mm |
| Controls | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br><br>· Zhaga interface | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br><br>· Zhaga interface | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT |
| Labels | · IP66<br>· Protection Class II, optional I<br>· CE | · IP66<br>· Protection Class II, optional I<br>· CE | · IP65<br>· Protection Class II, optional I<br>· CE | · IP65<br>· Protection Class II, optional I<br>· CE | · IP65<br>· Protection Class II, optional I<br>· CE | · IP65<br>· IK09<br>· Protection Class II, optional I<br>· CE |

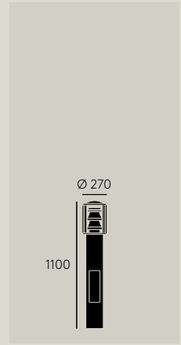
* Tritec S



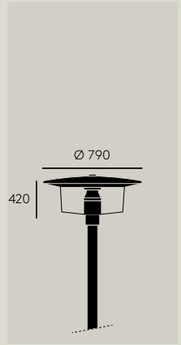



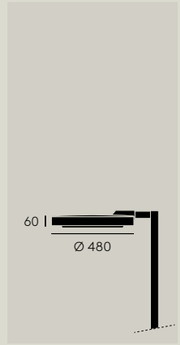



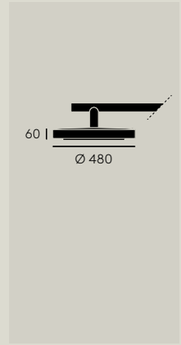

| | Saturn | | | | |
|---|---|---|---|---|---|
| Model | Saturn 1<br>Pole top | Saturn 2<br>Pole top | Saturn 3<br>Pole top | Saturn 4<br>Pole top | Saturn<br>Bollard |
| Light colour | 2200K*<br>2700K<br>3000K<br>4000K | 2200K*<br>2700K<br>3000K<br>4000K | 2200K*<br>2700K<br>3000K<br>4000K | 2200K*<br>2700K<br>3000K<br>4000K | 2200K*<br>2700K<br>3000K<br>4000K |
| Light output (max.) | 5400lm – Tritec A<br>4500lm – Tritec S | 5400lm – Tritec A<br>4500lm – Tritec S | 5400lm – Tritec A<br>4500lm – Tritec S | 5400lm – Tritec A<br>4500lm – Tritec S | 1500lm – Tritec A<br>2400lm – Tritec S |
| CRI | ≥80<br>≥70 at 2200K | ≥80<br>≥70 at 2200K | ≥80<br>≥70 at 2200K | ≥80<br>≥70 at 2200K | ≥80<br>≥70 at 2200K |
| Light distribution | · asymm. street<br>· asymm. street with pathway*<br>· asymm.*<br>· symm. | · asymm. street<br>· asymm. street with pathway*<br>· asymm.*<br>· symm. | · asymm. street<br>· asymm. street with pathway*<br>· asymm.*<br>· symm. | · asymm. street<br>· asymm. street with pathway*<br>· asymm.*<br>· symm. | · asymm. pathway<br>· symm. |
| Recommended heights | 3500–4500mm | 3500–4500mm | 3500–4500mm | 3500–4500mm | 1100mm |
| Description | · Tritec optics A or S<br>· gold or silver reflector<br>· single or double<br><br>· aluminium top shade<br>· clear PC diffuser<br>· aluminium fasteners<br>· aluminium cast fitter | · Tritec optics A or S<br>· gold or silver reflector<br>· single or double<br><br>· aluminium top shade<br>· clear PC diffuser<br>· aluminium fasteners<br>· aluminium cast fitter | · Tritec optics A or S<br>· gold or silver reflector<br>· single or double<br><br>· aluminium top shade<br>· clear PC diffuser<br>· aluminium fasteners<br>· aluminium cast fitter | · Tritec optics A or S<br>· gold or silver reflector<br>· single or double<br><br>· aluminium top shade<br>· clear PC diffuser<br>· aluminium fasteners<br>· aluminium cast fitter | · Tritec optics A or S<br>· gold or silver reflector<br>· single or double<br><br>· aluminium top shade<br>· clear PC diffuser<br>· aluminium fasteners<br>· aluminium cast fitter |
| Connection | for pole spigot Ø90mm | for pole spigot Ø90mm | for pole spigot Ø76mm | for pole spigot Ø76mm | |
| Controls | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT |
| Labels | · IP65<br>· IK10<br>· Protection Class II, optional I<br>· CE | · IP65<br>· IK10<br>· Protection Class II, optional I<br>· CE | · IP65<br>· IK10<br>· Protection Class II, optional I<br>· CE | · IP65<br>· IK10<br>· Protection Class II, optional I<br>· CE | · IP54<br>· IK10<br>· Protection Class II, optional I<br>· CE |

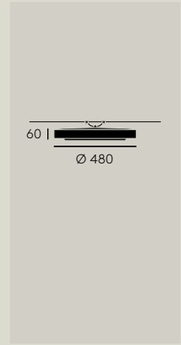
* Tritec S

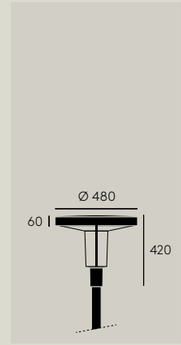




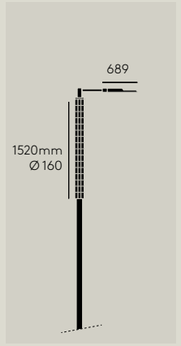



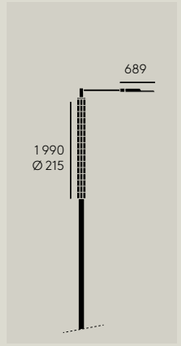



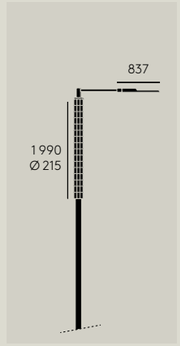



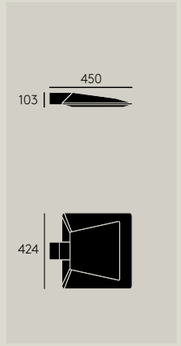

| | Rondero | Yloo | | | |
|---|---|---|---|---|---|
| Model | Rondero<br>Pole top | Yloo<br>Lateral | Yloo<br>Pendant | Yloo<br>Catenary | Yloo<br>Pole top |
| Light colour | 2200K*<br>2700K<br>3000K<br>4000K | 2200K<br>2700K<br>3000K<br>4000K | 2200K<br>2700K<br>3000K<br>4000K | 2200K<br>2700K<br>3000K<br>4000K | 2200K<br>2700K<br>3000K<br>4000K |
| Light output (max.) | 5400lm – Tritec A<br>4500lm – Tritec S | 8000lm | 8000lm | 8000lm | 6000lm |
| CRI | ≥80<br>≥70 at 2200K | ≥80 | ≥80 | ≥80 | ≥80 |
| Light distribution | · asymm. street<br>· asymm. street with pathway*<br>· asymm.*<br>· symm. | · asymm. street narrow<br>· asymm. street standard<br>· asymm. street wide<br>· asymm. Flood | · asymm. street narrow<br>asymm. street standard<br>· asymm. street wide<br>· asymm. Flood | · asymm. street narrow<br>· asymm. street standard<br>· asymm. street wide<br>· asymm. Flood | · asymm. street standard<br>· asymm. street narrow<br>· asymm.<br>· symm. |
| Recommended heights | 4000–4500mm | 4000–10000 mm | 4000–10000mm | 4000–10000mm | 3500–5000mm |
| Description | · Tritec optics A or S<br>· gold or silver reflector<br>· single or double<br><br>· aluminium top shade<br>· clear PC diffuser<br>· aluminium fasteners<br>· aluminium cast fitter | · free-form lens optics<br><br>· die-cast aluminium<br>· safety glass – anti-reflex coated | · free-form lens optics<br><br>· die-cast aluminium<br>· safety glass – anti-reflex coated | · free-form lens optics<br><br>· die-cast aluminium<br>· safety glass – anti-reflex coated | · free-form lens optics<br><br>· die-cast aluminium<br>· safety glass – anti-reflex coated |
| Connection | for pole spigot Ø76mm | for bracket spigot Ø60mm | for Yloo pole pendant bracket | catenary suspension with adjustable tilt and orientation | · for pole spigot Ø60mm<br>· for pole spigot Ø76mm |
| Controls | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixwert<br>· HNS<br>· dynamisch<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br><br>· Zhaga interface | · DALI<br>· Fixwert<br>· HNS<br>· dynamisch<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br><br>· Zhaga interface | · DALI<br>· Fixwert<br>· HNS<br>· dynamisch<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br><br>· Zhaga interface | · DALI<br>· Fixwert<br>· HNS<br>· dynamisch<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br><br>· Zhaga interface |
| Labels | · IP65<br>· Protection Class II, optional I<br>· CE | · IP66<br>· Protection Class II, optional I<br>· CE | · IP66<br>· Protection Class II, optional I<br>· CE | · IP66<br>· Protection Class II, optional I<br>· CE | · IP66<br>· Protection Class II, optional I<br>· CE |

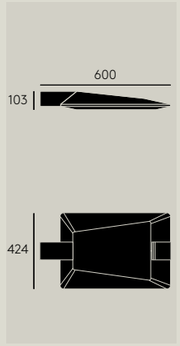
* Tritec S



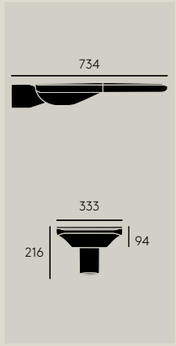



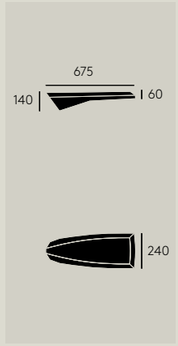



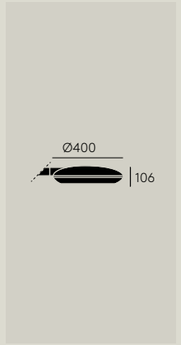

| | Solar Antares | | | Avanza | |
|---|---|---|---|---|---|
| Model | Antares 4000<br>P100-160 | Antares 4000<br>P200-215 | Antares 8000<br>P200-215 | Avanza 450<br>Lateral | Avanza 600<br>Lateral |
| Light colour | 2700K<br>3000K<br>4000K | 2700K<br>3000K<br>4000K | 2700K<br>3000K<br>4000K | 2700K<br>3000K<br>4000K | 2700K<br>3000K<br>4000K |
| Light output (max.) | 3700lm | 3700lm | 7400lm | 5100lm | 10 500lm |
| CRI | ≥ 70<br>≥ 80 at 2700K | ≥ 70<br>≥ 80 at 2700K | ≥ 70<br>≥ 80 at 2700K | ≥ 70<br>≥ 80 at 2700K | ≥ 70<br>≥ 80 at 2700K |
| Light distribution | · asymm. street<br>· asymm. street with pathway<br>· asymm. street wide with pathway | · asymm. street<br>· asymm. street with pathway<br>· asymm. street wide with pathway | · asymm. street<br>· asymm. street with pathway<br>· asymm. street wide with pathway | · asymm. street<br>· asymm. street Comfort Optic<br>· asymm. | · asymm. street<br>· asymm. street Comfort Optic<br>· asymm.<br>· pedestrian crossing left<br>· pedestrian crossing right |
| Recommended heights | 4000–6000mm | 5000–8000mm | 5000–8000mm | 3500–5000mm | 5000–8000mm |
| Description | · free-form lens optics<br>· aluminium luminaire head<br>· PMMA moulded body<br>· Solar module, cylindrical, single, Ø160mm, peak power up to 115W<br>· lead battery integrated in pole,<br>· other battery types on request<br>· optional hybrid function<br>· pole and brackets in different lengths | · free-form lens optics<br>· aluminium luminaire head<br>· PMMA moulded body<br>· Solar module, cylindrical, single, Ø215mm, peak power up to 230W<br>· lead battery integrated in pole, other battery types on request<br>· optional hybrid function<br>· pole and brackets in different lengths | · free-form lens optics<br>· aluminium luminaire head<br>· PMMA moulded body<br>· Solar module, cylindrical, single, Ø215mm, peak power up to 230W<br>· lead battery integrated in pole, other battery types on request<br>· optional hybrid function<br>· pole and brackets in different lengths | · cross-beam-reflector optics<br>· die-cast aluminium<br>· safety glass | · cross-beam-reflector optics<br>· die-cast aluminium<br>· safety glass |
| Connection | pole with buried base or flange plate | pole with buried base or flange plate | pole with buried base or flange plate | · for bracket spigot Ø60mm<br>· with pole top adapter: for pole spigot Ø60mm for pole spigot Ø76mm | · for bracket spigot Ø60mm<br>· with pole top adapter: for pole spigot Ø60mm for pole spigot Ø76mm |
| Controls | · integrated microcontroller for efficient use of solar energy<br>· with intelligent dimming profiles<br>· optional motion detector<br>· optional integration in Smart City systems via interface | · integrated microcontroller for efficient use of solar energy<br>· with intelligent dimming profiles<br>· optional motion detector<br>· optional integration in Smart City systems via interface | · integrated microcontroller for efficient use of solar energy<br>· with intelligent dimming profiles<br>· optional motion detector<br>· optional integration in Smart City systems via interface | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br>· Zhaga interface | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br>· Zhaga interface |
| Labels | · IP65<br>· CE | · IP65<br>· CE | · IP65<br>· CE | · IP66<br>· IK10<br>· Protection Class II, optional I<br>· CE | · IP66<br>· IK10<br>· Protection Class II, optional I<br>· CE |

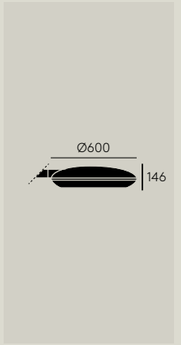


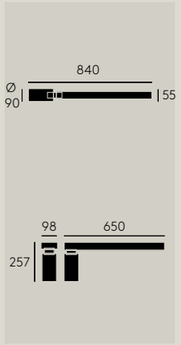


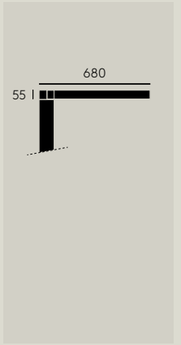



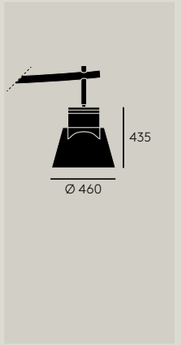
| | Tal | Tessia | | Jessica | |
|---|---|---|---|---|---|
| Model | Tal<br>Pole top and lateral | Tessia 550<br>Pole top and lateral | Tessia 650<br>Pole top and lateral | Jessica 600<br>Lateral | Jessica 800<br>Lateral |
| Light colour | 2700K<br>3000K<br>4000K | 2700K<br>3000K<br>4000K | 2700K<br>3000K<br>4000K | 3000K<br>4000K | 3000K<br>4000K |
| Light output (max.) | 18 000lm | 9300lm | 15 200lm | 6800lm | 10 200lm |
| CRI | ≥ 70<br>≥ 80 at 2700K | ≥ 70 | ≥ 70 | ≥ 70 | ≥ 70 |
| Light distribution | · street narrow regular<br>· street narrow long<br>· street medium regular<br>· street medium long<br>· street wide regular<br>· street wide long<br>· street wide upsweep pole<br>· asymm. flood<br>· pedestrian crossing left<br>· pedestrian crossing right | · asymm. street narrow<br>· asymm. street Standard<br>· asymm. street breit<br>· asymm. Flood max<br>· pedestrian crossing left<br>· pedestrian crossing right | · asymm. street narrow<br>· asymm. street Standard<br>· asymm. street breit<br>· asymm. Flood max<br>· pedestrian crossing left<br>· pedestrian crossing right | asymm. street | asymm. street |
| Recommended heights | 4000–12 000mm | 4000–10 000mm | 6000–14 000mm | 6000–10 000mm | 6000–8000mm |
| Description | · free-form lens optics<br>· die-cast aluminium<br>· safety glass | · free-form lens optics<br>· die-cast aluminium<br>· safety glass | · free-form lens optics<br>· die-cast aluminium<br>· safety glass | · free-form lens optics<br>· die-cast aluminium<br>· safety glass | · free-form lens optics<br>· die-cast aluminium<br>· prismatic glass |
| Connection | · including universal pole flange for lateral and pole-top attachment for spigot 60 and 76mm<br>· pole flange adjustable from 15° to -5° in 2.5° increments | · including universal pole flange for lateral and pole-top attachment for spigot 60 and 76mm<br>· pole flange adjustable from 15° to -5° in 2.5° increments | · including universal pole flange for lateral and pole-top attachment for spigot 60 and 76mm<br>· pole flange adjustable from 15° to -5° in 2.5° increments | for bracket spigot Ø60mm | for bracket spigot Ø42mm |
| Controls | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br>· Zhaga interface | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br>· Zhaga interface | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT<br>· prepared and ready for a wide range of Smart City applications<br>· Zhaga interface | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· CLT |
| Labels | · IP66<br>· IK09<br>· Protection Class II, optional I<br>· CE<br>· ENEC | · IP66<br>· IK08<br>· Protection Class II, optional I<br>· CE | · IP66<br>· IK08<br>· Protection Class II, optional I<br>· CE | · IP65<br>· Protection Class II, optional I<br>· CE | · IP65<br>· Protection Class II, optional I<br>· CE<br>· ENEC 05 |

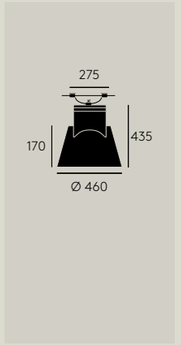


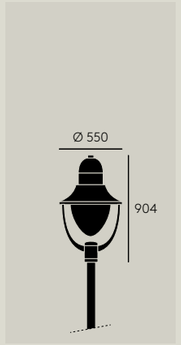



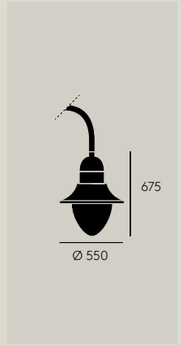



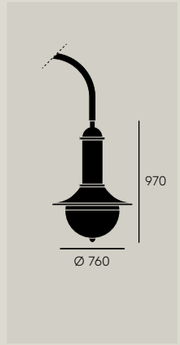



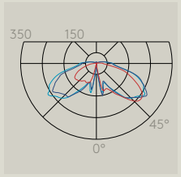




| | Discera | | Arca | | Sombreo | Sombreo | Beta | Beta | Trocadero |
|---|---|---|---|---|---|---|---|---|---|
| Model | Discera 400<br>Lateral | Discera 600<br>Lateral | Arca Flex<br>Pole top and lateral | Arca Linear<br>Light column | Sombreo 230<br>Pole pendant | Sombreo 230<br>Catenary | Beta<br>Lantern | Beta<br>Pendant | Trocadero 760<br>Pendant |
| Light colour | 3000K<br>4000K | 3000K<br>4000K | 3000K<br>4500K | 3000K<br>4500K | 3000K<br>4000K | 3000K<br>4000K | 3000K<br>4000K | 3000K<br>4000K | 2700K<br>3000K<br>4000K |
| Light output (max.) | 5100lm | 10 000lm | 2900lm | 2900lm | 3300lm | 3300lm | 7200lm | 7200lm | 10 200lm |
| CRI | ≥ 70 | ≥ 70 | ≥ 80 | ≥ 80 | ≥ 80 | ≥ 80 | ≥ 70 | ≥ 70 | ≥ 80 |
| Light distribution | asymm. street | asymm. street | asymm. street | asymm. street | · asymm. street<br>· symm. | · asymm. street<br>· symm. | asymm. street | asymm. street | · asymm. street<br>· asymm. street wide<br>· asymm. |
| Recommended heights | 3500–5000mm | 6000–8000mm | 3000–4500mm | 4500mm | 4000–5000mm | 4000–5000mm | 3500–4500mm | 4000–5000mm | 6000–8000mm |
| Description | · free-form lens optics<br>· die-cast aluminium<br>· flat safety glass | · free-form lens optics<br>· die-cast aluminium<br>· flat safety glass | · prismatic glass<br>· universal adapter for lateral mounting, pole-top or upswept pole assembly<br>· adjustable ± 20° in 5° increments | · prismatic glass<br>· die-cast aluminium<br>· single or double | · reflector optics<br>· aluminium casting<br>· clear PMMA diffuser | · reflector optics<br>· aluminium casting<br>· clear PMMA diffuser | · free-form lens optics<br>· aluminium top shade<br>· pearl PC diffuser<br>· die-cast aluminium brackets | · free-form lens optics<br>· aluminium top shade<br>· pearl PC diffuser<br>· die-cast aluminium brackets | · Gen 5 silicone lenses<br>· aluminium housing<br>· aluminium top shade<br>· pearl PC diffuser |
| Connection | for bracket spigot Ø 42mm | for bracket spigot Ø 60mm | · for Ø 60mm and Ø 76mm pole top or lateral mounting<br>· for Ø 42mm and Ø 60mm upswept pole | Lateral luminaire including pole | for Sombreo poles and brackets | catenary suspension with adjustable tilt and orientation | for pole spigot Ø 76mm | for curved tubular steel arms with 1" metric luminaire connection | for curved tubular steel arm with 1" metric thread |
| Controls | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT | · DALI<br>· Fixed setting<br>· HNS<br>· dynamic<br>· AmpDim<br>· CLT |
| Labels | · IP66<br>· IK09/IK10<br>· Protection Class II, optional I<br>· CE | · IP66<br>· IK09/IK10<br>· Protection Class II, optional I<br>· CE | · IP 66<br>· IK08<br>· Protection Class II, optional I<br>· CE | · IP66<br>· IK08<br>· Protection Class II, optional I<br>· CE | · IP65<br>· Protection Class II, optional I<br>· CE | · IP65<br>· Protection Class II, optional I<br>· CE | · IP65<br>· IK10<br>· Protection Class II, optional I<br>· CE | · IP65<br>· IK10<br>· Protection Class II, optional I<br>· CE | · IP65<br>· Protection Class II, optional I<br>· CE |

# Polar diagrams

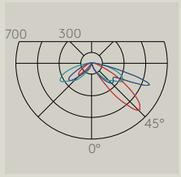
## Tritec Optics

### Tritec A

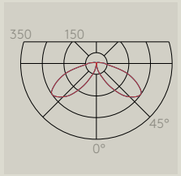



asymm. street

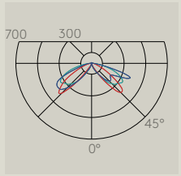
### Tritec S



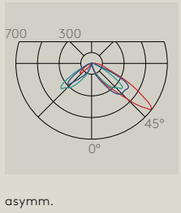

asymm. street



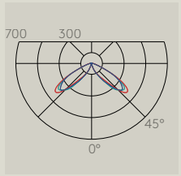

symm.




asymm. street with pathway



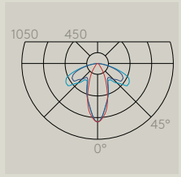

asymm.



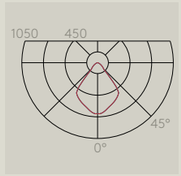

symm.

## Olivio

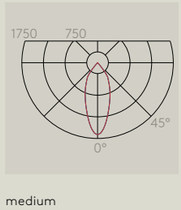
### Olivio Grande



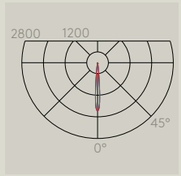

asymm. street




wide

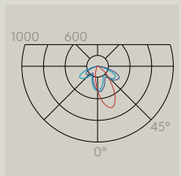



medium




narrow

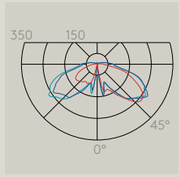
### Olivio Bollard



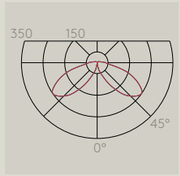

asymm. pathway

## Lif

### Top element with Tritec A

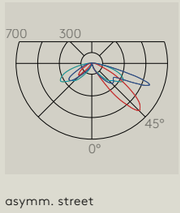



asymm. street

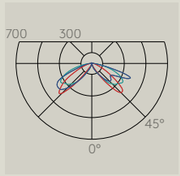



symm.

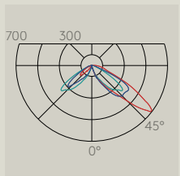
### Tritec S




asymm. street

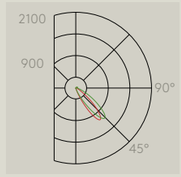



asymm. street with pathway



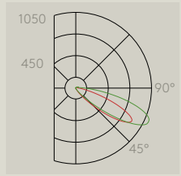

asymm.

### Lif Facade module

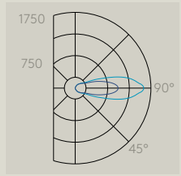



vertical downwards near, horizontal symm. wide beam

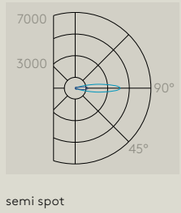
### Lif Twinspot module



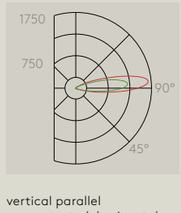

vertical directed downwards, horizontal symm. wide beam



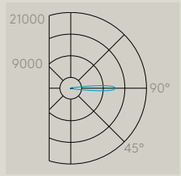

medium



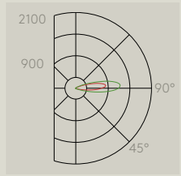

semi spot




vertical parallel concentrated, horizontal symm. narrow beam

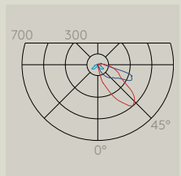



spot

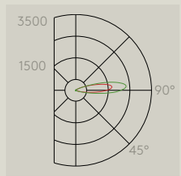



vertical parallel concentrated, horizontal symm. wide beam

### Lif Pathway module




asymm. street



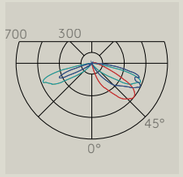

vertical parallel concentrated, horizontal asymm. narrow beam left

C60 - C240 C15 - C195 C120 - C300 C0 - C180 C90 - C270

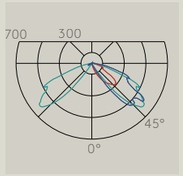


## Line

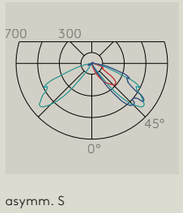
### Line Light column




asymm. wide

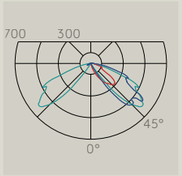



asymm. medium S




asymm. S

### Line Bollard

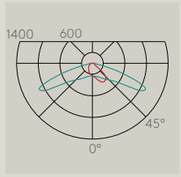



asymm. pathway S

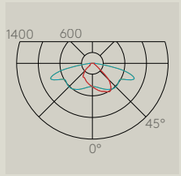



symm. 4Q

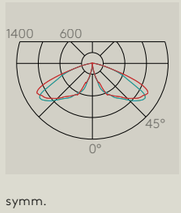
## Lukida



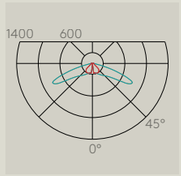

asymm. street




asymm. street with pathway



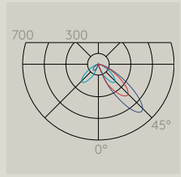

symm.



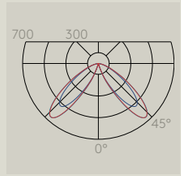

symm. long

## Inula

### Inula Light column

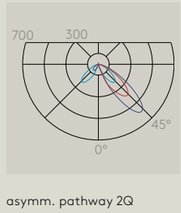



asymm. pathway 2Q

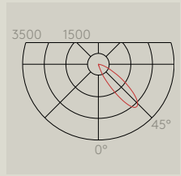



symm. 4Q

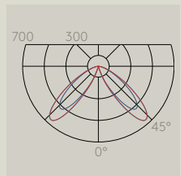
### Inula Bollard



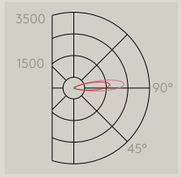

asymm. pathway 2Q



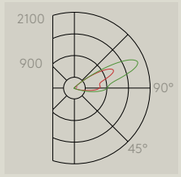

asymm. 1Q



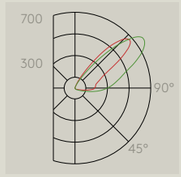

symm. 4Q



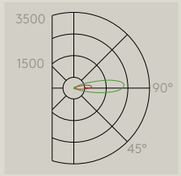

vertical parallel concentrated, horizontal asymm. narrow beam right



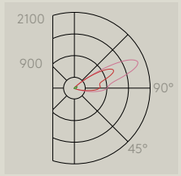

vertical medium upward offset, horizontal asymm. narrow beam left



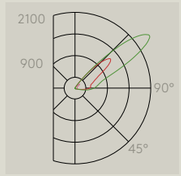

vertical flood upward offset, horizontal symm. wide beam



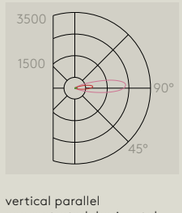

vertical parallel horizontal asymm. wide beam left



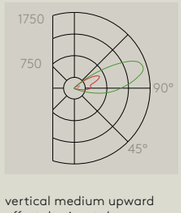

vertical medium upward offset, horizontal asymm. narrow beam right



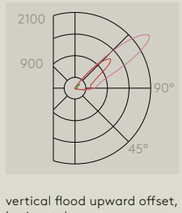

vertical flood upward offset, horizontal asymm. narrow beam left



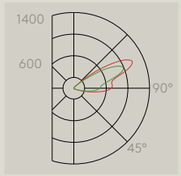

vertical parallel concentrated, horizontal asymm. wide beam right



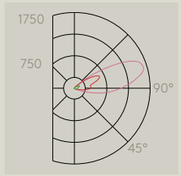

vertical medium upward offset, horizontal asymm. wide beam left



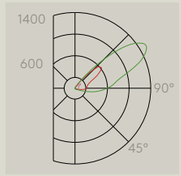

vertical flood upward offset, horizontal asymm. narrow beam right



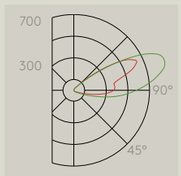

vertical medium upward offset, horizontal symm. narrow beam



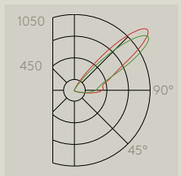

vertical medium upward offset, horizontal asymm. wide beam right



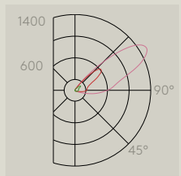

vertical flood upward offset, horizontal asymm. wide beam left




vertical medium upward offset, horizontal symm. wide beam



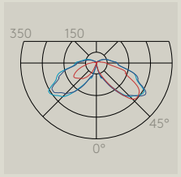

vertical flood upward offset, horizontal symm. narrow beam



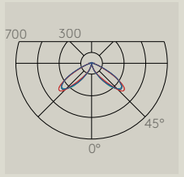

vertical flood upward offset, horizontal asymm. wide beam right

## Elo

**Elo Pole top with Tritec A**

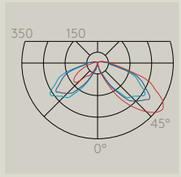



asymm. street

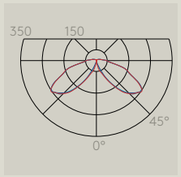



symm.

**Elo Wall**

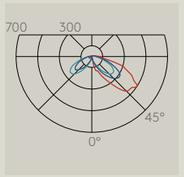



asymm.



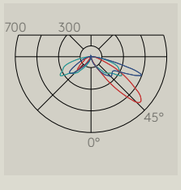

symm.

**Bollards with Tritec A**

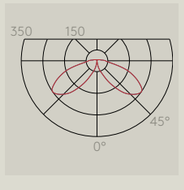



asymm. pathway

**Pole top with Tritec S**

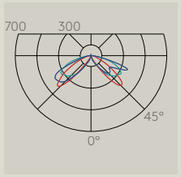



asymm. street

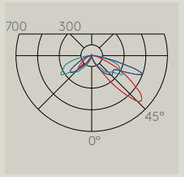



symm.

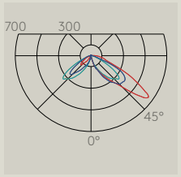
**Bollard with Tritec S**



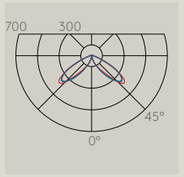

asymm. street with pathway




asymm. pathway



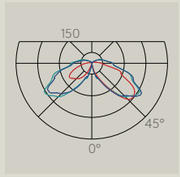

asymm.



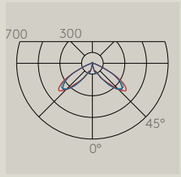

symm.

## Aira

**Aira Pole top with Tritec A**

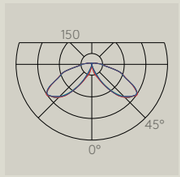



asymm. street

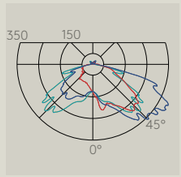



symm.

**Aira Catenary with Tritec A**

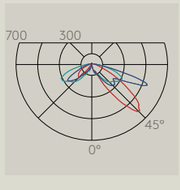



symm.

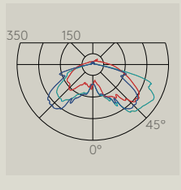



asymm. street

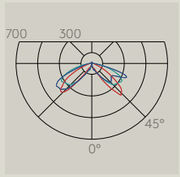
**Aira Pole top with Tritec S**



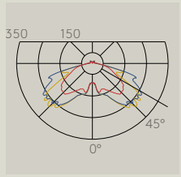

asymm. street



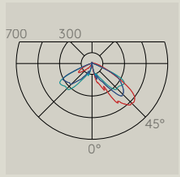

asymm. street with pathway




asymm. street with pathway



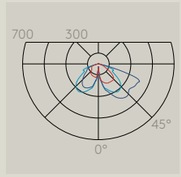

symm.



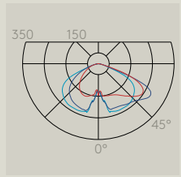

asymm.

## Mistella

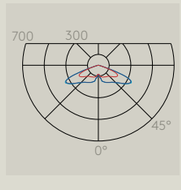
**Mistella**




asymm. street




asymm.



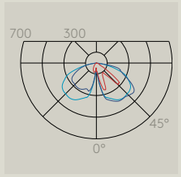

symm.

C60 - C240 C15 - C195 C120 - C300 C0 - C180 C90 - C270

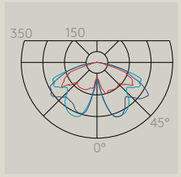


## Astro

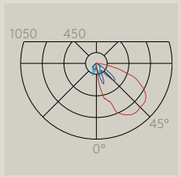
**Astro 1 Flat glass**



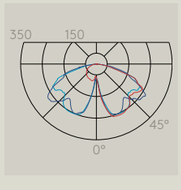

asymm. street




symm.

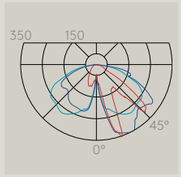



asymm.

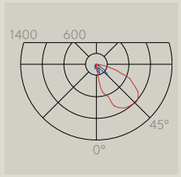



symm.

**Astro 2 Flat glass**



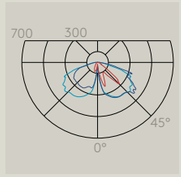

asymm. street



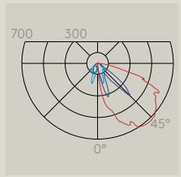

asymm.

## Trigo

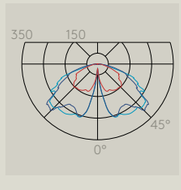
**Trigo**




asymm. street



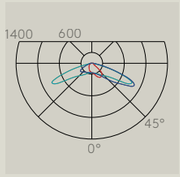

asymm.



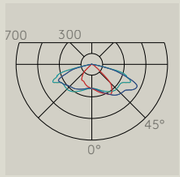

symm.

## Antares

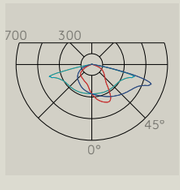
**Antares**




asymm. street



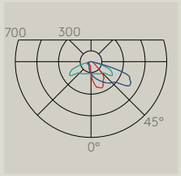

asymm. street with pathway



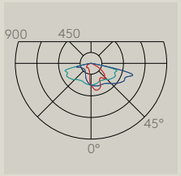

asymm. street wide with pathway

## Yloo

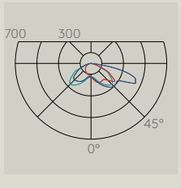
### Yloo Pole



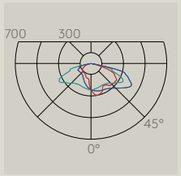

asymm. street narrow – R0



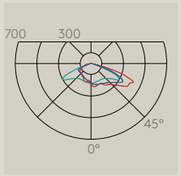

asymm. street
standard – R1




asymm. street wide – R2

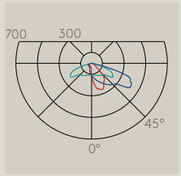



asymm. street wide – R3

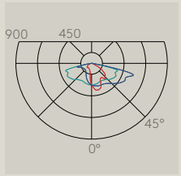



asymm. flood max – AS2

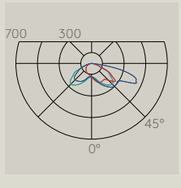
### Yloo Lateral



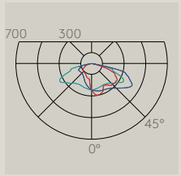

asymm. street narrow – R0



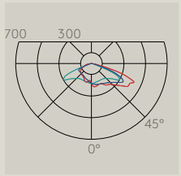

asymm. street
standard – R1




asymm. street wide – R2

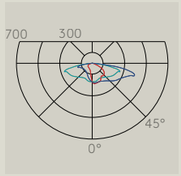



asymm. street wide – R3

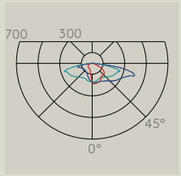



asymm. flood max – AS2

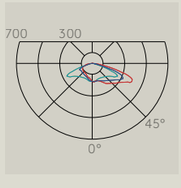
### Yloo Pole top



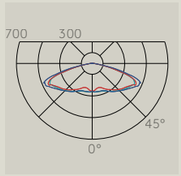

asymm. street narrow – R0




asymm. street wide – R2




asymm.

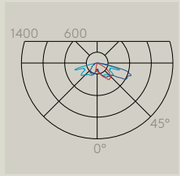



symm.

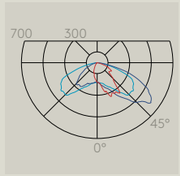


## Avanza

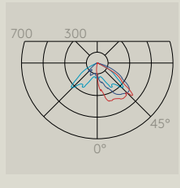
### Avanza 600



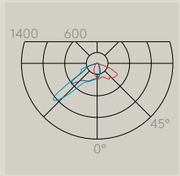

asymm. street



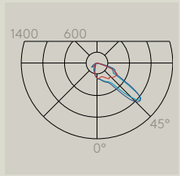

asymm. street
Comfort Optics




asymm.

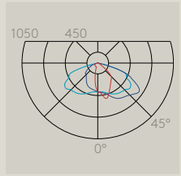



pedestrian crossing left

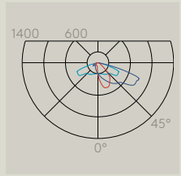



pedestrian crossing right

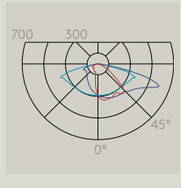
## Tal



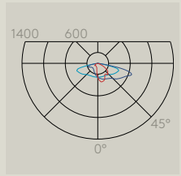

Street narrow regular



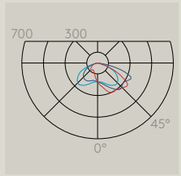

street narrow long



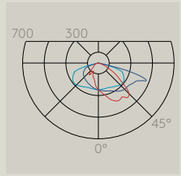

Street medium regular



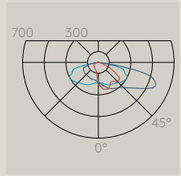

Street medium long



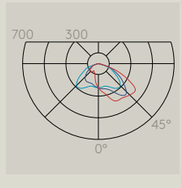

Street wide regular



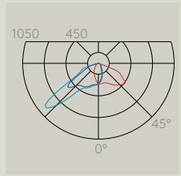

street wide long



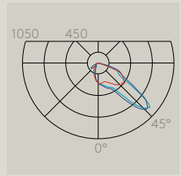

street wide upsweep pole




asymm. flood




pedestrian crossing left



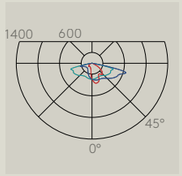

pedestrian crossing right

C60 - C240 C15 - C195 C120 - C300 C0 - C180 C90 - C270

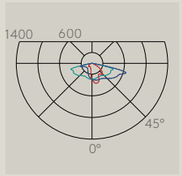


## Tessia

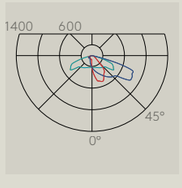
### Tessia 650



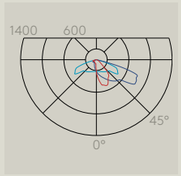

asymm. street narrow – R0



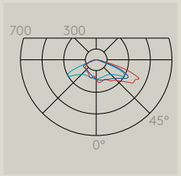

asymm. street
standard – R1



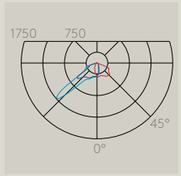

asymm. street wide – R2



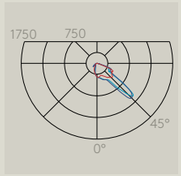

asymm.street wide – R3




asymm. flood max – AS2



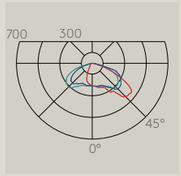

pedestrian crossing left




pedestrian crossing right

## Arca

### Arca Flex and Linear




asymm. street

# Application areas

# Product overview according to application

| Product family | Building surface → 413 | Lighting close to buildings → 415 | Facade illumination → 417 | Public areas → 419 | Residential areas → 421 | Public roads → 423 |
|---|---|---|---|---|---|---|
| Olivio | ● | ● | ● | ● | ● | ○ |
| Lif | ○ | ○ | ● | ● | ● | ○ |
| Line | ● | ● | ○ | ● | ● | ● |
| Solar Lukida | ○ | ○ | ○ | ● | ● | ○ |
| Inula | ○ | ● | ○ | ● | ● | ○ |
| Elo | ● | ● | ○ | ● | ● | ○ |
| Aira | ○ | ○ | ○ | ● | ● | ○ |
| Mistella | ○ | ○ | ○ | ● | ● | ○ |
| Astro | ○ | ○ | ○ | ● | ● | ○ |
| Trigo | ○ | ○ | ○ | ● | ● | ○ |
| Solar Antares | ○ | ○ | ○ | ● | ● | ● |
| Yloo | ○ | ○ | ○ | ● | ● | ● |
| Avanza | ● | ○ | ○ | ● | ● | ● |
| Arca | ● | ○ | ○ | ● | ● | ○ |
| Tal | ● | ○ | ○ | ● | ● | ● |



| Product family | Building surface → 413 | Lighting close to buildings → 415 | Facade illumination → 417 | Public areas → 419 | Residential areas → 421 | Public roads → 423 |
|---|---|---|---|---|---|---|
| Tessia | ● | ○ | ○ | ● | ● | ● |
| Jessica | ○ | ○ | ○ | ○ | ● | ● |
| Discera | ● | ○ | ○ | ○ | ● | ● |
| Lanova | ○ | ○ | ○ | ● | ● | ○ |
| Sombreo | ● | ○ | ○ | ● | ● | ● |
| Alpha | ○ | ○ | ○ | ● | ● | ○ |
| Saturn | ○ | ○ | ○ | ● | ● | ○ |
| Rondero | ○ | ○ | ○ | ● | ● | ○ |
| Beta | ○ | ○ | ○ | ● | ● | ● |
| Trocadero | ○ | ○ | ○ | ● | ● | ● |
| Urbi 2 | ○ | ○ | ○ | ○ | ● | ● |
| Urbi 1/3 | ○ | ○ | ○ | ● | ● | ● |
| Schupmann | ○ | ○ | ○ | ● | ● | ● |
| Hardenberg | ○ | ○ | ○ | ● | ● | ● |
| Witzleben | ○ | ○ | ○ | ● | ● | ● |

1

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3

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## Building surface

**Line**
Surface-mounted/
recessed luminaires
→ 144
← Figure 1

**Olivio**
Surface-mounted
→ 84
← Figure 2, 3, 4

**Elo**
Surface-mounted
→ 200

**Avanza**
Surface-mounted
→ 286

**Tal**
Surface-mounted
→ 298

**Tessia**
Surface-mounted
→ 308

**Arca**
Surface-mounted
→ 318

**Discera**
Surface-mounted
→ 343

**Sombreo**
Surface-mounted
→ 341

1

2

3

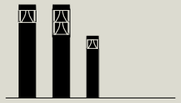
4

## Lighting close to buildings

**Olivio**
Bollard
→ 84
← Figure 4

**Line**
Bollard and
Light column
→ 144
← Figure 3

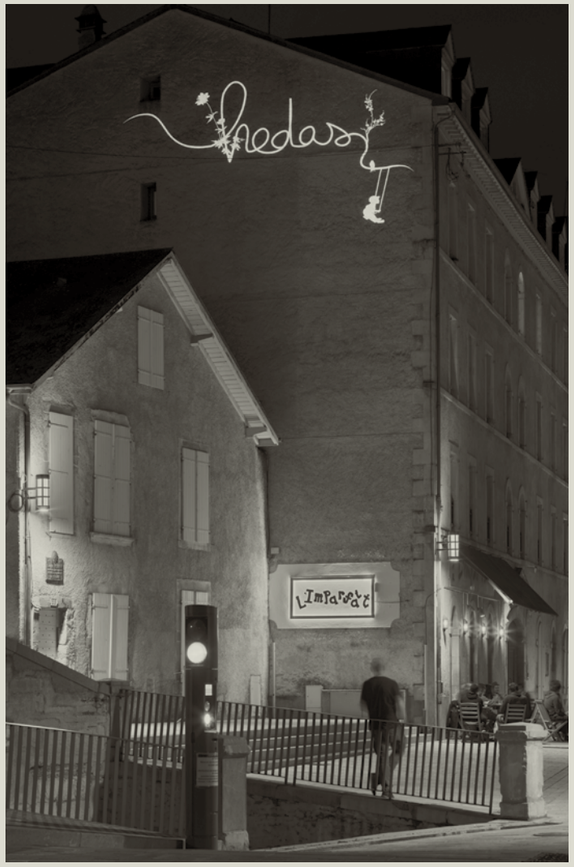
**Elo**
Bollard and
Light column
→ 200
← Figure 2



**Inula**
Bollard and
Light column
→ 192
← Figure 1

1

2



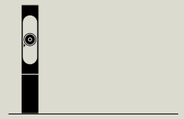
3

4

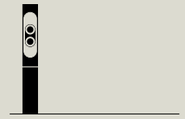
## Facade illumination

**Olivio Spot**
→ 84

**Olivio Gobo**
→ 84
← Figure 2, 3, 4



**Lif Gobo**
→ 114
← Figure 1



**Lif Twinspot**
→ 114

1

3

4

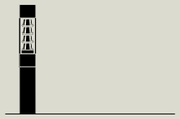
2

5



## Public areas

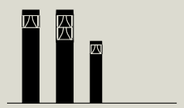
**Olivio**
→ 84



**Lif**
→ 114
← Figure 4

**Line**
→ 144
← Figure 3

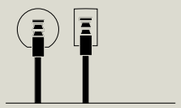
**Solar Lukida**
→ 182



**Inula**
→ 192
← Figure 2

**Elo**
→ 200
← Figure 5

**Lanova**
→ 340

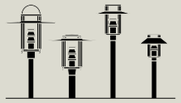


**Aira**
→ 216

**Mistella**
→ 236

**Astro**
→ 246
← Figure 1

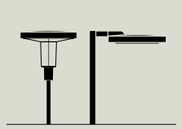
**Trigo**
→ 256



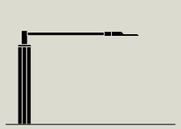
**Saturn**
→ 334

**Alpha**
→ 336

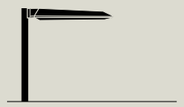
**Rondero**
→ 337



**Yloo**
→ 274



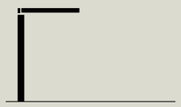
**Solar Antares**
→ 264



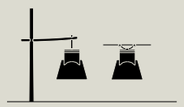
**Avanza**
→ 286

**Tessia**
→ 308

**Tal**
→ 298



**Arca**
→ 318



**Sombreo**
→ 341

**Beta**
→ 338

**Trocadero**
→ 339

**Urbi 1/3**
→ 456

**Hardenberg**
→ 458

**Witzleben**
→ 458

**Schupmann**
→ 458

1

2

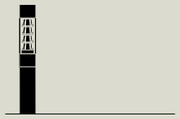
3

4



## Residential areas

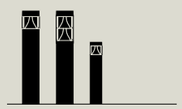
**Olivio**
→ 84



**Lif**
→ 114
← Figure 4

**Line**
→ 144
← Figure 2

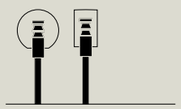
**Solar Lukida**
→ 182



**Inula**
→ 192
← Figure 1

**Elo**
→ 200
← Figure 3

**Lanova**
→ 340

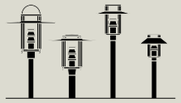


**Aira**
→ 216

**Mistella**
→ 236

**Astro**
→ 246
← Figure 4

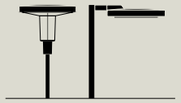
**Trigo**
→ 256



**Saturn**
→ 334

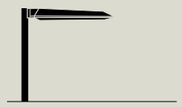
**Alpha**
→ 336

**Rondero**
→ 337



**Yloo**
→ 274

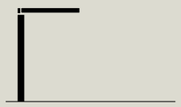
**Solar Antares**
→ 264



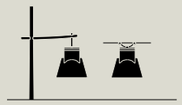
**Avanza**
→ 286
← Figure 2

**Tessia**
→ 308

**Tal**
→ 308



**Arca**
→ 318



**Sombreo**
→ 341

**Beta**
→ 338

**Trocadero**
→ 339

**Urbi 1/3**
→ 345

1

2

3

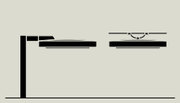
4

5

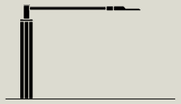


## Public roads

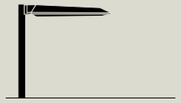
Line
→ 144
← Figure 5



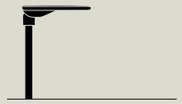
Yloo
→ 274



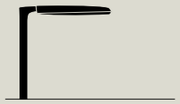
Antares Solar
→ 445



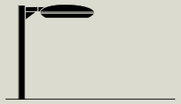
Avanza
→ 286
← Figure 1



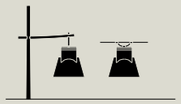
Tal
→ 298
← Figure 4



Jessica
→ 342
← Figure 4



Discera
→ 343
← Figure 2



Sombreo
→ 341

Beta
→ 338

Trocadero
→ 339

Urbi 2
→ 454

Urbi 1
→ 456

Urbi 3
→ 457

Schupmann
→ 458

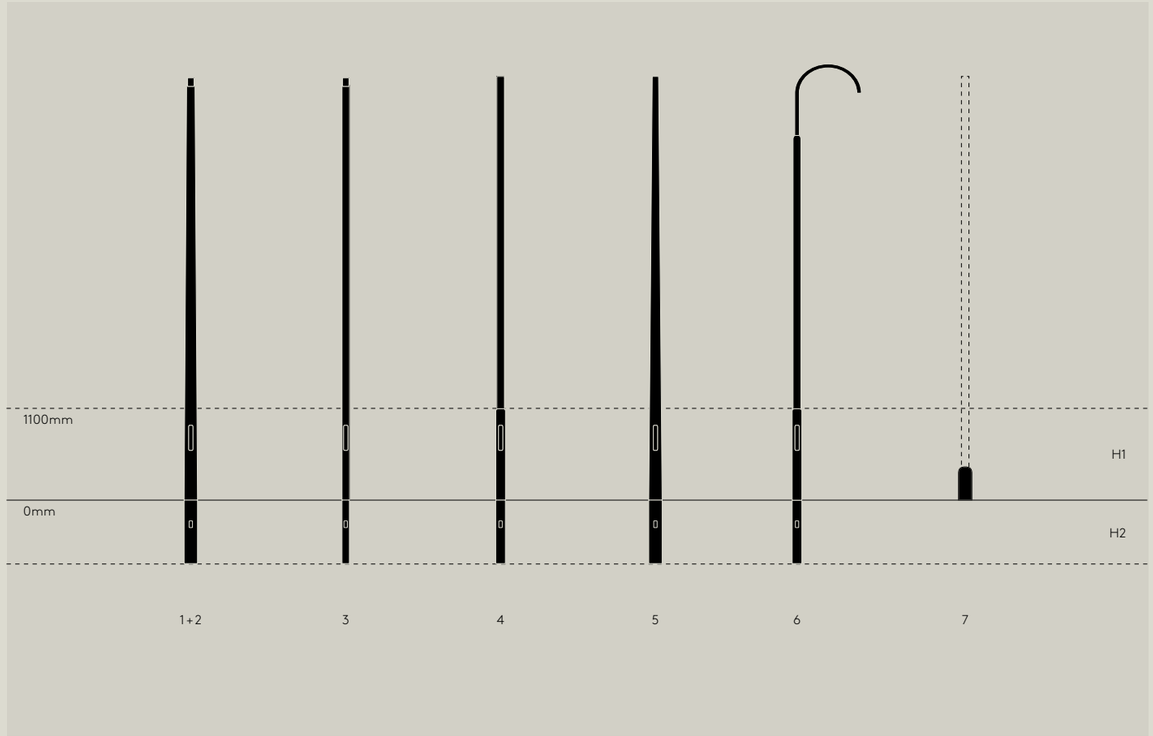
Hardenberg
→ 458

Witzleben
→ 458

Poles + Brackets

## Standard poles

All poles are manufactured with an integrated buried base made from hot galvanised steel and with a cable feed that includes edge cut protection and a pole opening with door.




### Design poles

**1 Conical pole Ø101mm, spigot Ø76mm scattered welding seam**
H1: 4500mm H2: 800mm
H1: 6000mm H2: 1000mm
H1: 8000mm H2: 1200mm

**2 Conical pole Ø90mm, spigot Ø76mm scattered welding seam**
H1: 4500mm H2: 800mm

**3 Cylindrical pole Ø101mm, spigot Ø76mm scattered welding seam**
H1: 4500mm H2: 800mm

### Stepped poles with a swaged joint

**4 Stepped cylindrical pole with a swaged joint Ø76/114mm**
H1: 4000mm H2: 600mm
H1: 4500mm H2: 600mm
H1: 5000mm H2: 600mm
H1: 6000mm H2: 800mm

### Conical poles

**5 Conical pole, spigot Ø76mm**
H1: 4000mm H2: 800mm
H1: 4500mm H2: 800mm
H1: 5000mm H2: 800mm
H1: 6000mm H2: 1000mm
H1: 8000mm H2: 1200mm
H1: 10000mm H2: 1500mm

### Curved arm pole

**6 Curved arm pole Ø48/76/114mm**
spigot 1"
H1: 4750mm H2: 800mm
H1: 5250mm H2: 800mm

### Accessories

**7 Base cover to resist corrosion**
made from steel or reinforced plastic

**Set of anti-sink plates**

**Second pole opening**
including edge cut protection

**IP54 fuse box**
IP54 · 2 × 5 × 16mm² · for loop in-and-out wiring

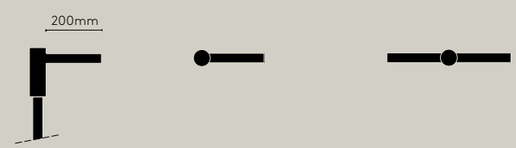
**Powder coating**
Selux graphite or special finish



## Brackets

All brackets are made from hot galvanised steel and powder coated Selux graphite or special finish. Two lengths of brackets are available.

### Short brackets




| | single | double 180° | | |
|---|---|---|---|---|
| **Spigot Ø (mm)** | **60** | **60** | **76** | **76** |
| **Pole top Ø (mm)** | **60** | **42** | **60** | **42** |

### Long brackets



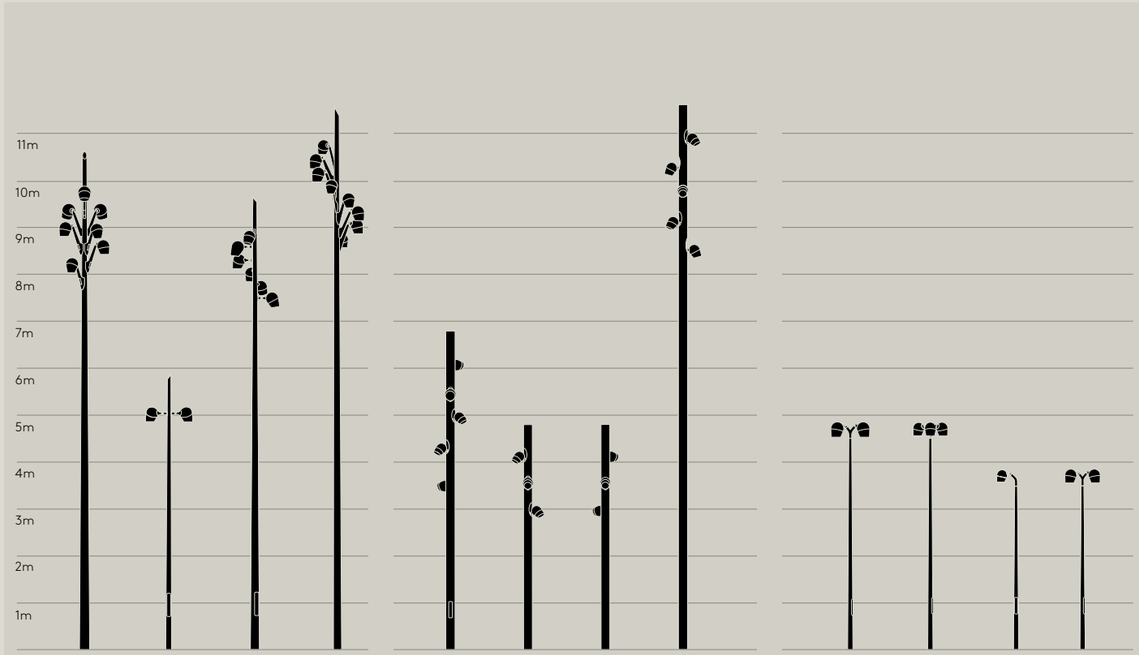

| | single | double 180° | double 90° | triple | quadruple |
|---|---|---|---|---|---|
| **Spigot Ø (mm)** | **76** | **76** | | | |
| **Pole top Ø (mm)** | **60** | **42** | | | |

# Olivio poles

## Sistema

## Floracion

## Candelabra




**Olivio Sistema pole – steel**

conical pole made from hot galvanised steel, powder coated, IP54 fuse box for on-site assembly, flush-mounted pole door with door lock

Height: 5000–12 000mm
Colour: Selux graphite or special finish
Mounting: screwed on a concrete foundation or buried base

**Olivio Sistema pole – wood**

made from pine wood according to DIN EN 14080, conical pole, steel pole base, powder coated, screwed on a concrete foundation or buried base for assembly, IP54 fuse box for on-site assembly

Height: 5000–12 000mm
Colour: · six different wood colours
· seven different colours
(plint/end cap/inlay/luminaire)

**Olivio Floracion pole – steel**

Cylindrical pole made from hot galvanised steel, powder coated, IP54 fuse box for on-site assembly, flush-mounted pole door with door lock

with mounting plate
Height: 5000–12 000mm
Diameter: Ø 219mm
Colour: Selux graphite or special finish
Inlay colour: matte white or otherwise specified
Mounting: screwed on a concrete foundation or buried base

**Olivio Floracion pole – wood**

made from pine wood according to DIN EN 14080, conical or cylindrical, steel pole base, powder coated, screwed on a concrete foundation or buried base for assembly

Height: cylindcrical 5000–7000mm
conical 6000–12 000mm
Diameter: cylindcrical 220mm
Colour: · six different wood colours
· seven different colours
(plint/end cap/inlay/luminaire)

**Olivio Candelabra pole – steel**

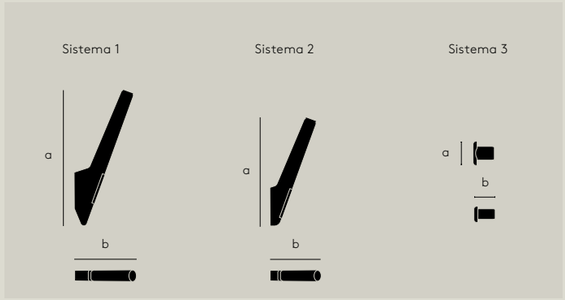
conical pole made from hot galvanised steel, powder coated, IP54 fuse box for on-site assembly, flush-mounted pole door with door lock

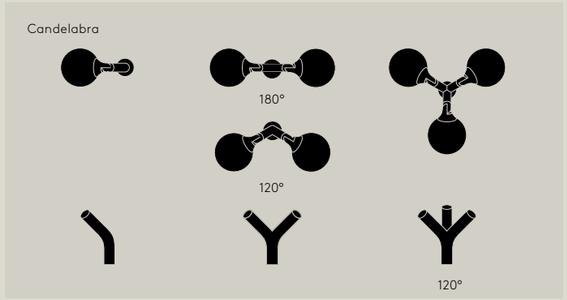
Height: 3500 or 4500mm
Colour: Selux graphite or special finish
Mounting: screwed on a concrete foundation or buried base



# Olivio brackets

## Pole brackets




| | a | b |
|---|---|---|
| Sistema 1 | 629mm | 275mm |
| Sistema 2 | 507mm | 214mm |
| Sistema 3 | 115mm<br>115mm | 65mm (Piccolo)<br>80mm (Grande, Medio) |

Pole and bracket are supplied as one unit.

## Wall brackets




Die-cast aluminium

| | | |
|---|---|---|
| Grande & Medio | a: 565mm<br>c: 240mm | b: 263mm<br>d: 300mm |




Die-cast aluminium

| | |
|---|---|
| Grande | a: 283mm, b: 255mm, Ø 271mm |
| Medio | a: 57mm, b: 255mm, Ø 218mm |
| Piccolo | a: 151mm, b: 197mm, Ø 92mm |




Die-cast aluminium

| | | | |
|---|---|---|---|
| Grande & Medio | a: 115mm | b: 80mm | c: 60mm |
| Piccolo | a: 115mm | b: 65mm | c: 60mm |

Family overview

Family

Olivio

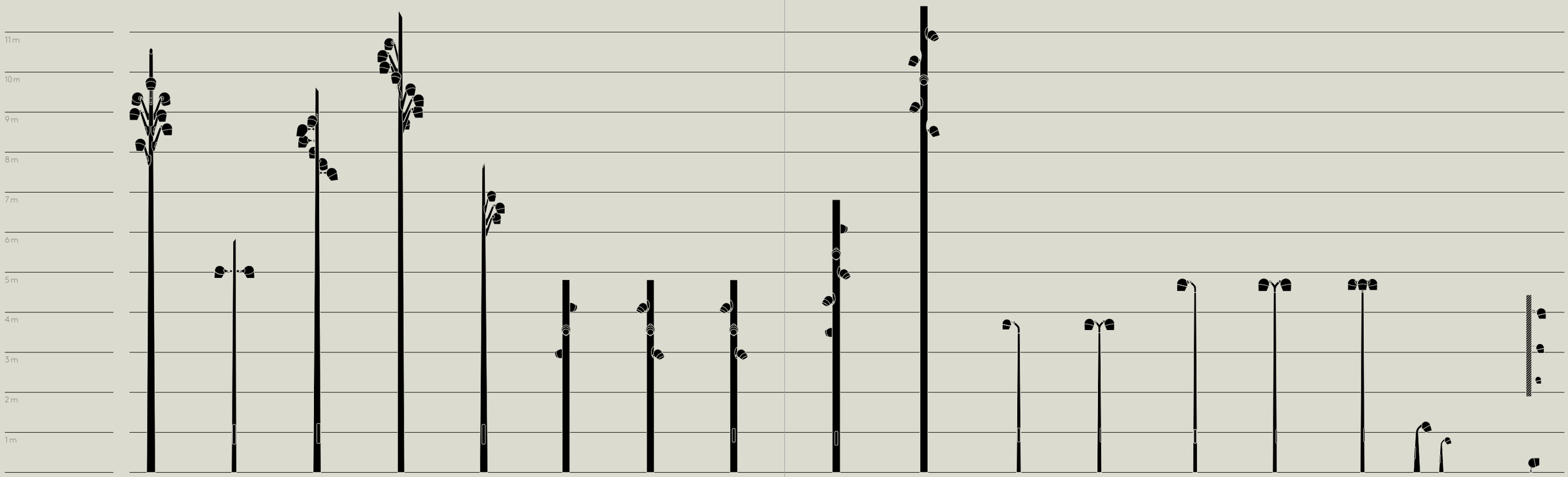
Sistema

Floracion

Candelabra

Bollards

Universal



Family

## Lif

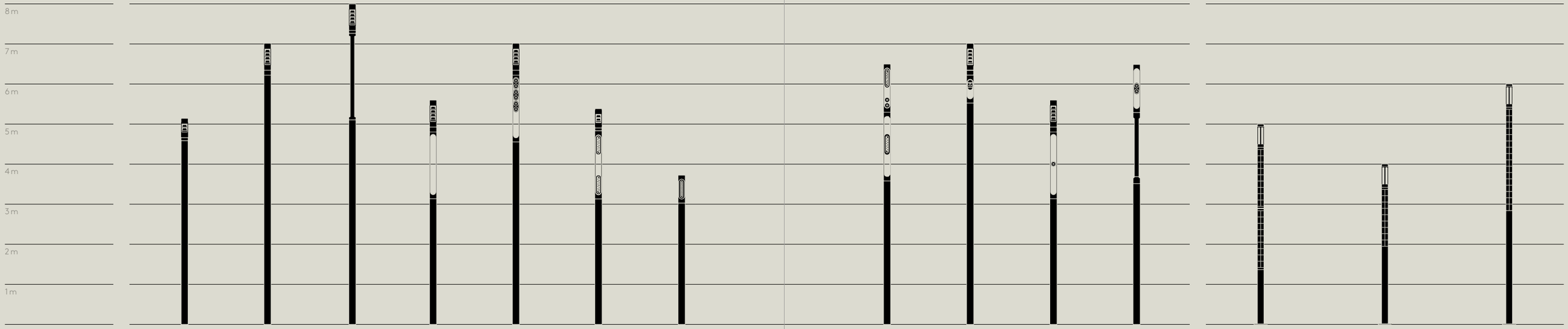
Multifunctional light column for façade, path,
square or accent lighting

## Solar Lukida

Lukida 4000
P200-160

Lukida 4000
P100-160

11 m
10 m
9 m
8 m
7 m
6 m
5 m
4 m
3 m
2 m
1 m



Family

## Line

Light columns

Bollards

Wall/Recessed

Pole top/lateral

11 m

10 m

9 m

8 m

7 m

6 m

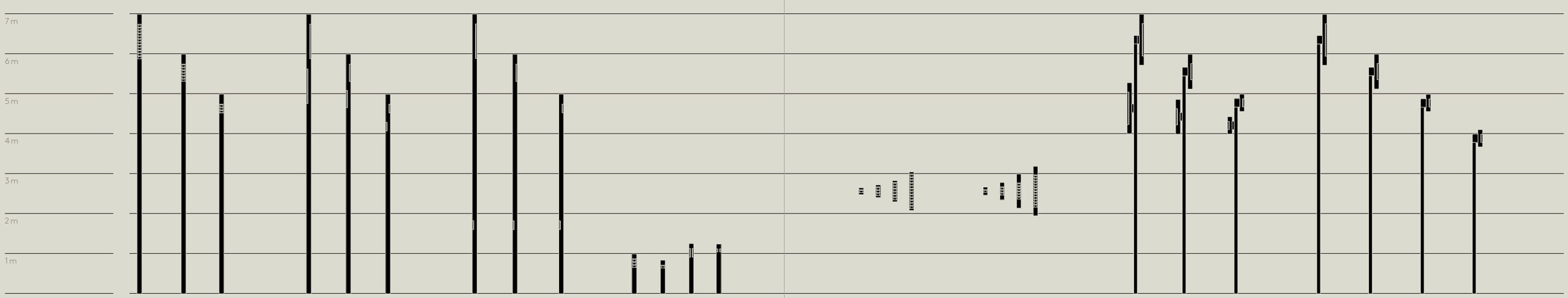
5 m

4 m

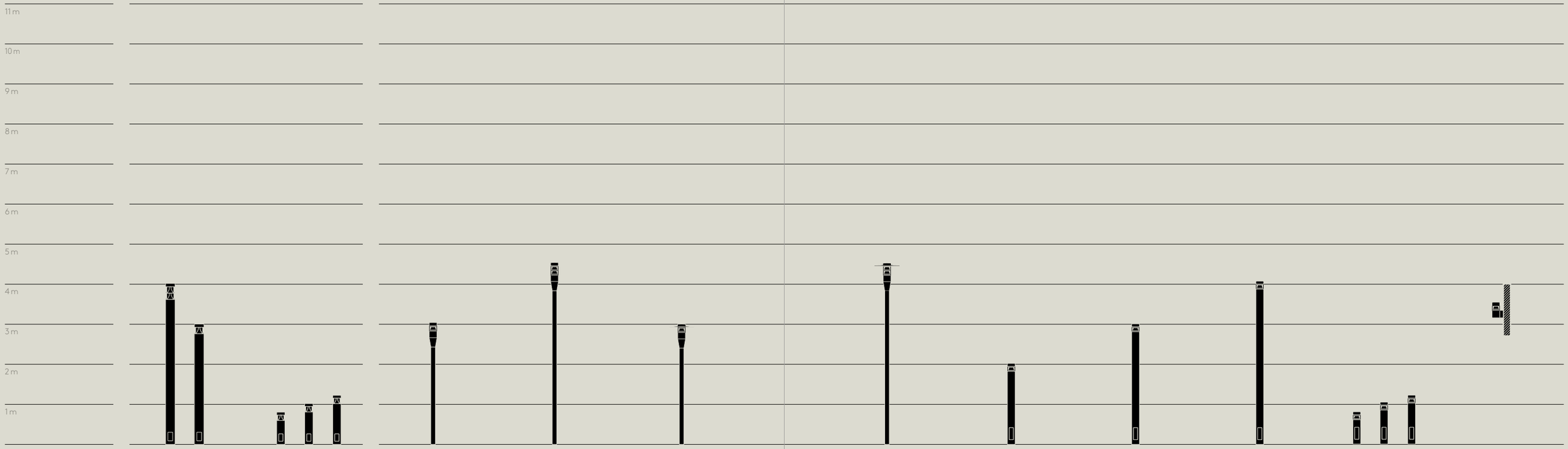
3 m

2 m

1 m



| Family | Inula | | Elo | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Inula Column | Inula Bollard | Pure<br>Pole top | Shape<br>Pole top | Light column | | Bollard | Wall |



Family

## Aira

Aira Sphere
Pole top

Aira Cylinder
Pole top

Aira Sphere
Arcade

Aira Sphere
Catenary

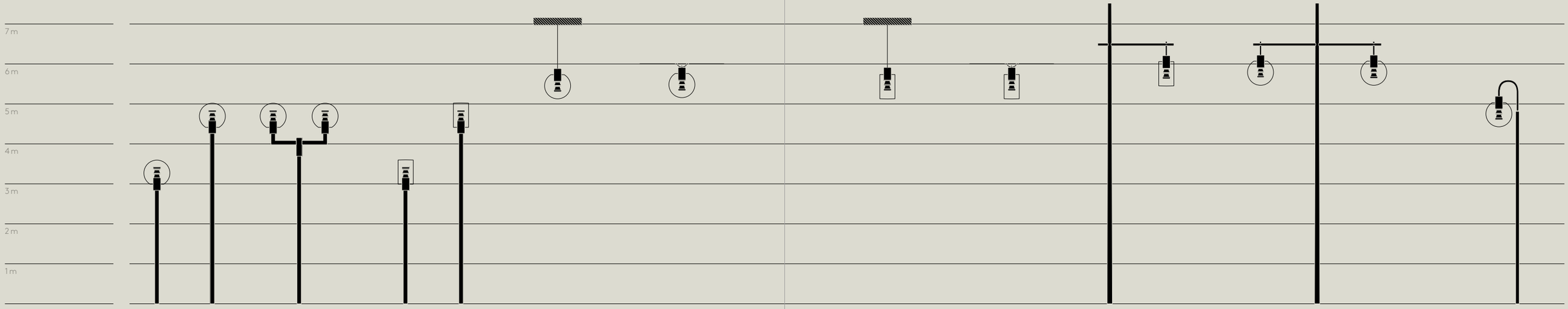
Aira Cylinder
Arcade

Aira Cylinder
Catenary

Aira Cylinder
Pendant

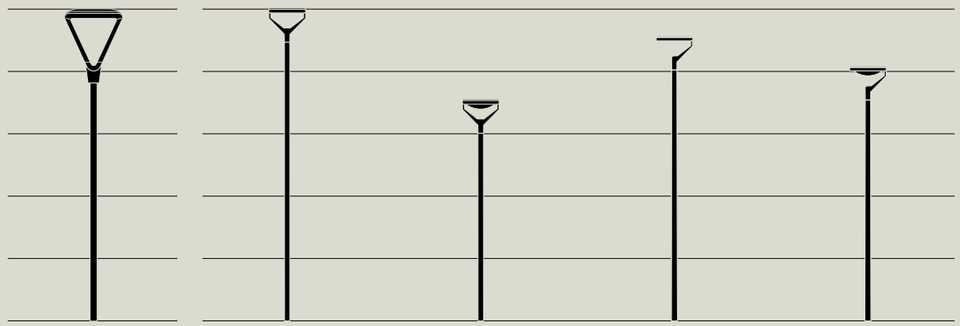
Aira Sphere
Pendant

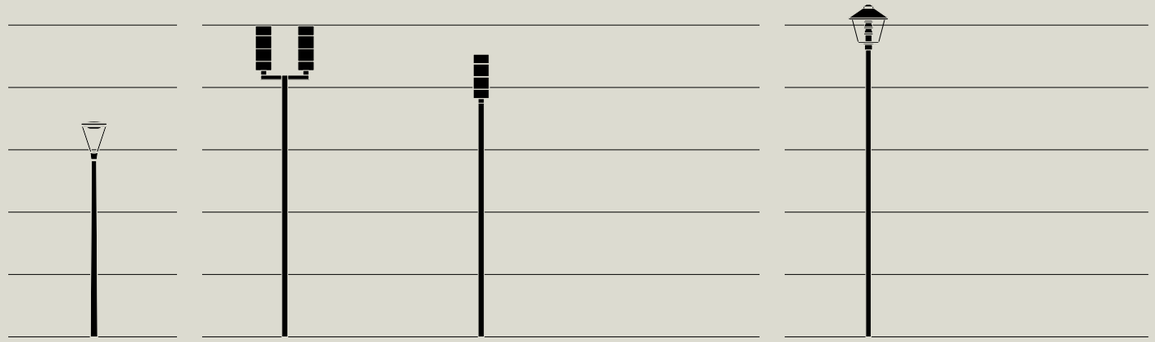
11 m
10 m
9 m
8 m
7 m
6 m
5 m
4 m
3 m
2 m
1 m



| Family | Mistella | Astro | | Trigo | Lanova | | Alpha |
|---|---|---|---|---|---|---|---|
| | Mistella<br>Pole top | Astro 2<br>Pole top | Astro 1<br>Pole top | Trigo<br>Pole top | Lanova 230<br>Pole top | Lanova 250<br>Pendant | Alpha<br>Pole top |

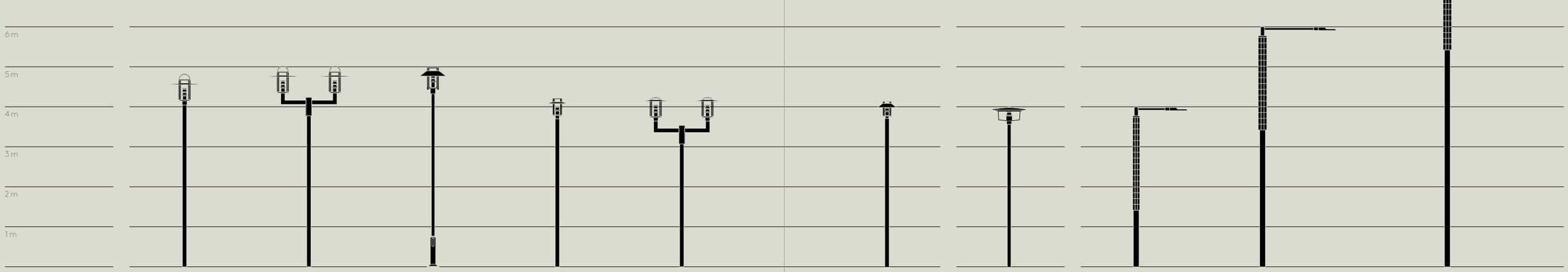
11 m
10 m
9 m
8 m
7 m
6 m
5 m
4 m
3 m
2 m
1 m





| Family | Saturn | | | | Rondero | Solar Antares | | |
|---|---|---|---|---|---|---|---|---|
| | Saturn 1<br>Pole top | Saturn 2<br>Pole top | Saturn 3<br>Pole top | Saturn 4<br>Pole top | Rondero<br>Pole top | Antares 4000<br>P100-160 | Antares 4000<br>P200-215 | Antares 8000<br>P200-215 |

11 m
10 m
9 m
8 m
7 m
6 m
5 m
4 m
3 m
2 m
1 m



Family

## Yloo

Pole

Pendant

Catenary

Pole top

11 m

10 m

9 m

8 m

7 m

6 m

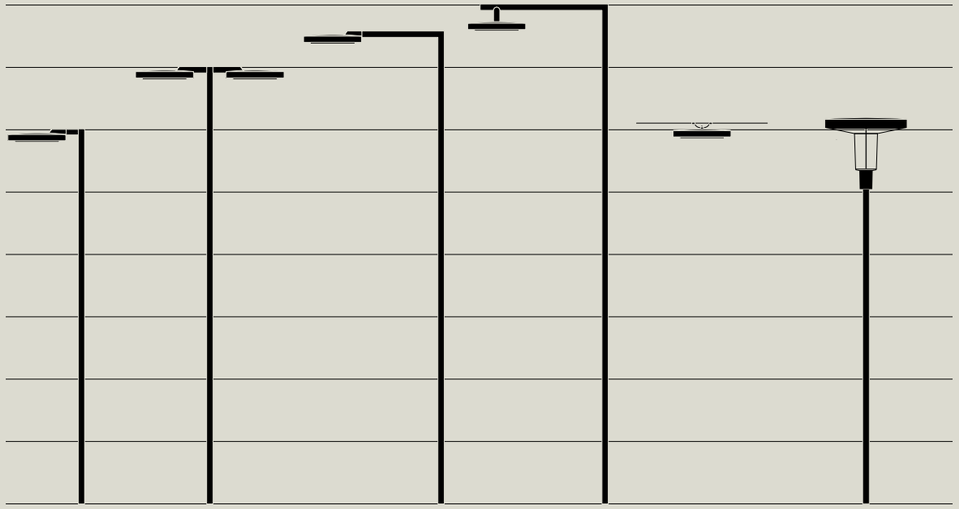
5 m

4 m

3 m

2 m

1 m





## Avanza

Avanza 450
Pole top/lateral

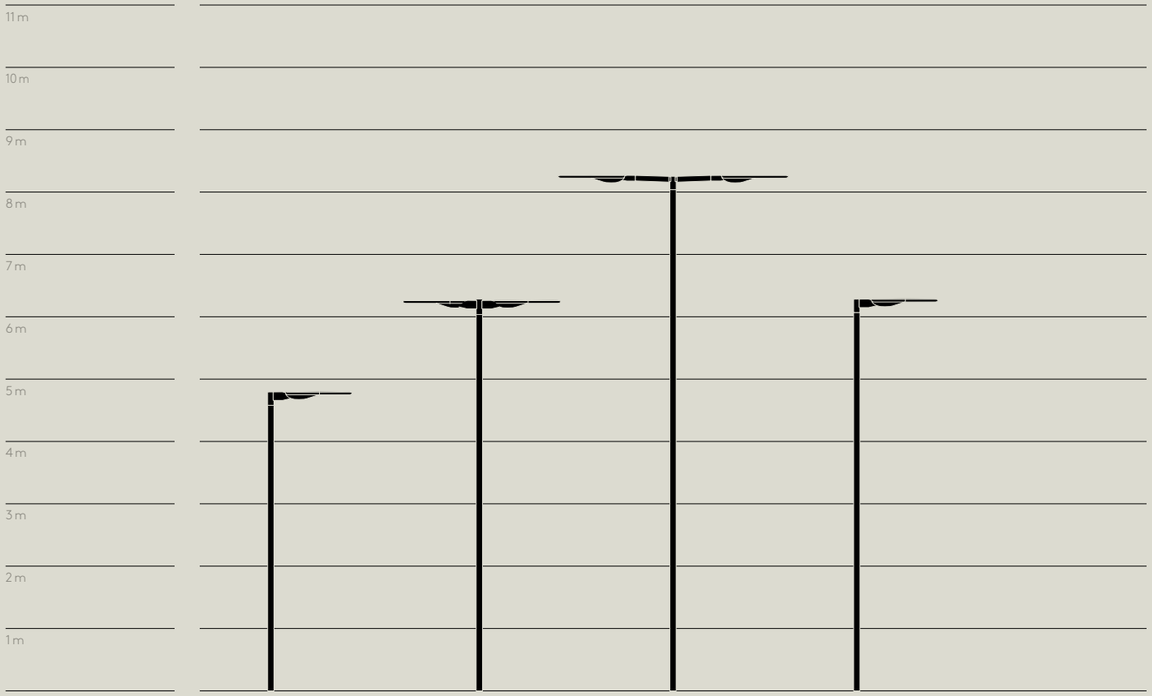
Avanza 450
Avanza 600

Avanza 600
Pole top/lateral

Family

## Tal

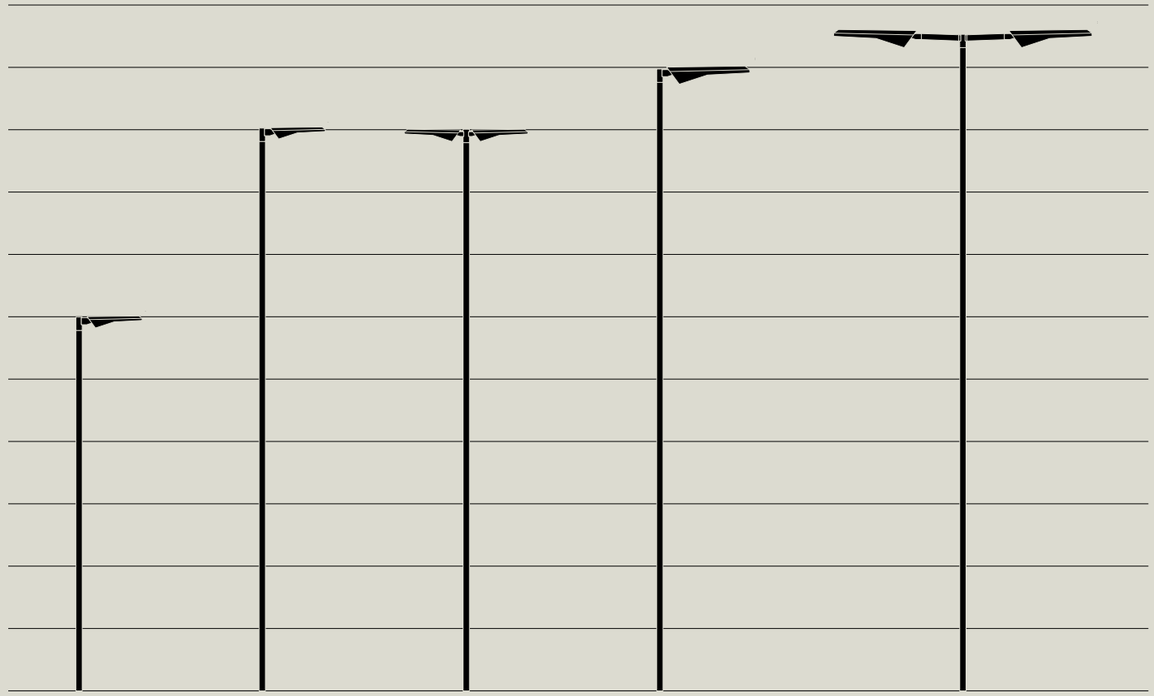
Tal
Pole top/lateral




## Tessia

Tessia 550
Pole top/lateral

Tessia 650
Pole top/lateral



Family

## Jessica

Jessica 600

Jessica 800

## Discera

Discera 400

Discera 600

Family

## Arca

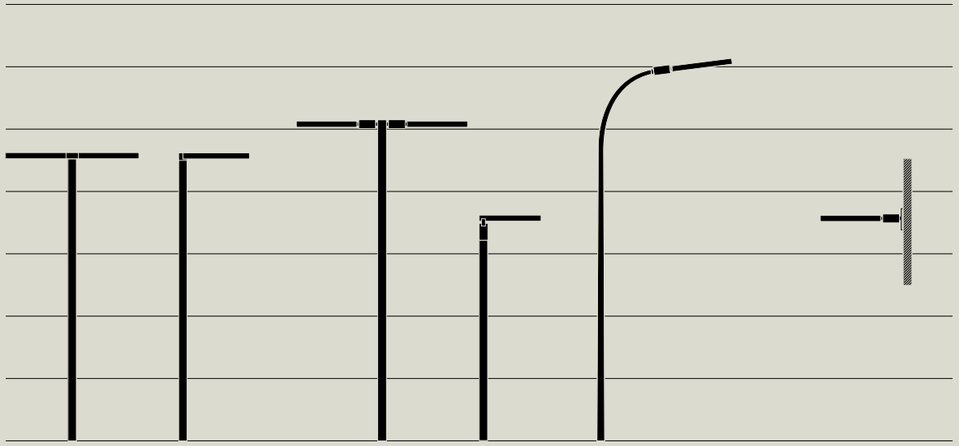
Arca Linear
Pole

Arca Flex
Pole top/lateral

Arca Flex
Upswept pole

Arca Flex Wall

11 m
10 m
9 m
8 m
7 m
6 m
5 m
4 m
3 m
2 m
1 m



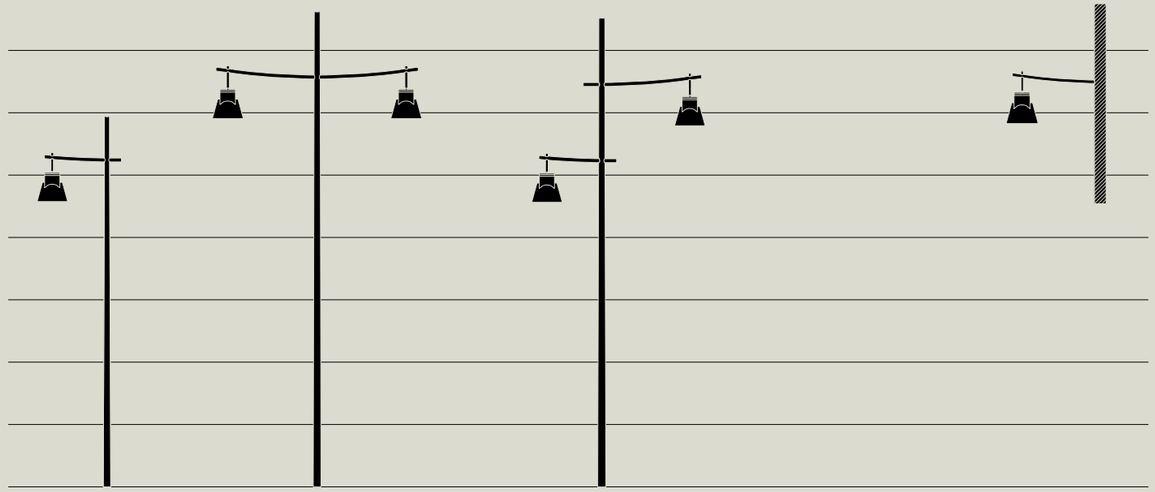


## Sombreo

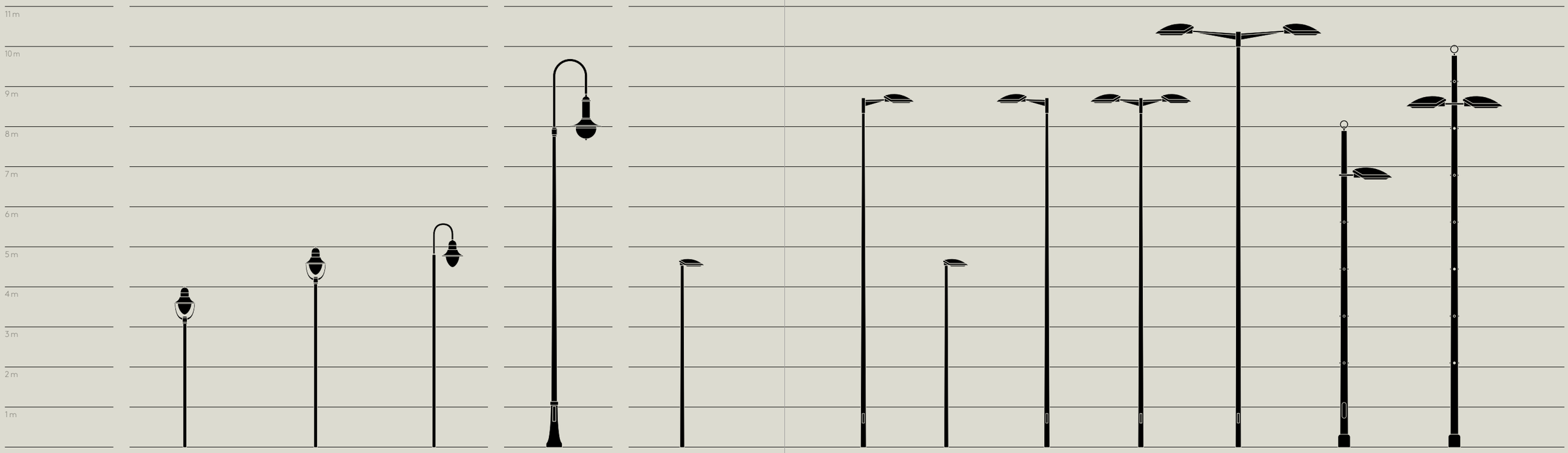
Pole

Catenary

Wall

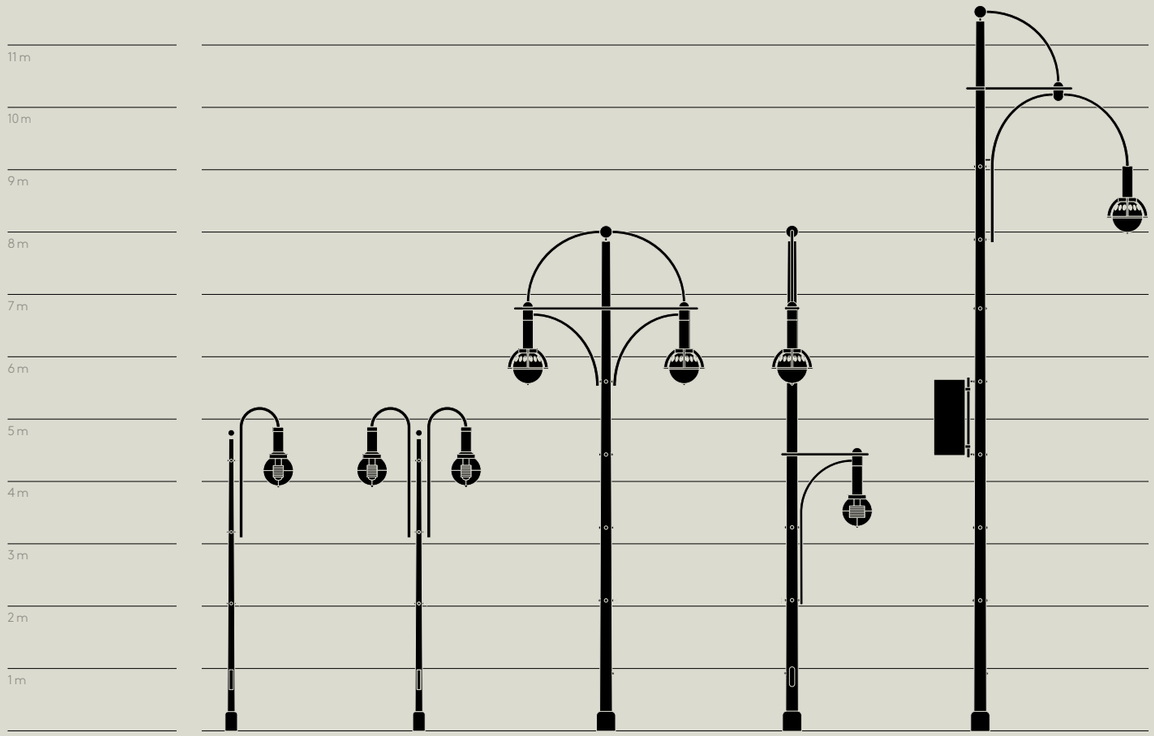


| Family | Beta | | Trocadero | Urbi 2 |
|---|---|---|---|---|
| | Pole top | Pendant | Trocadero 760<br>Pendant | Lighting system |

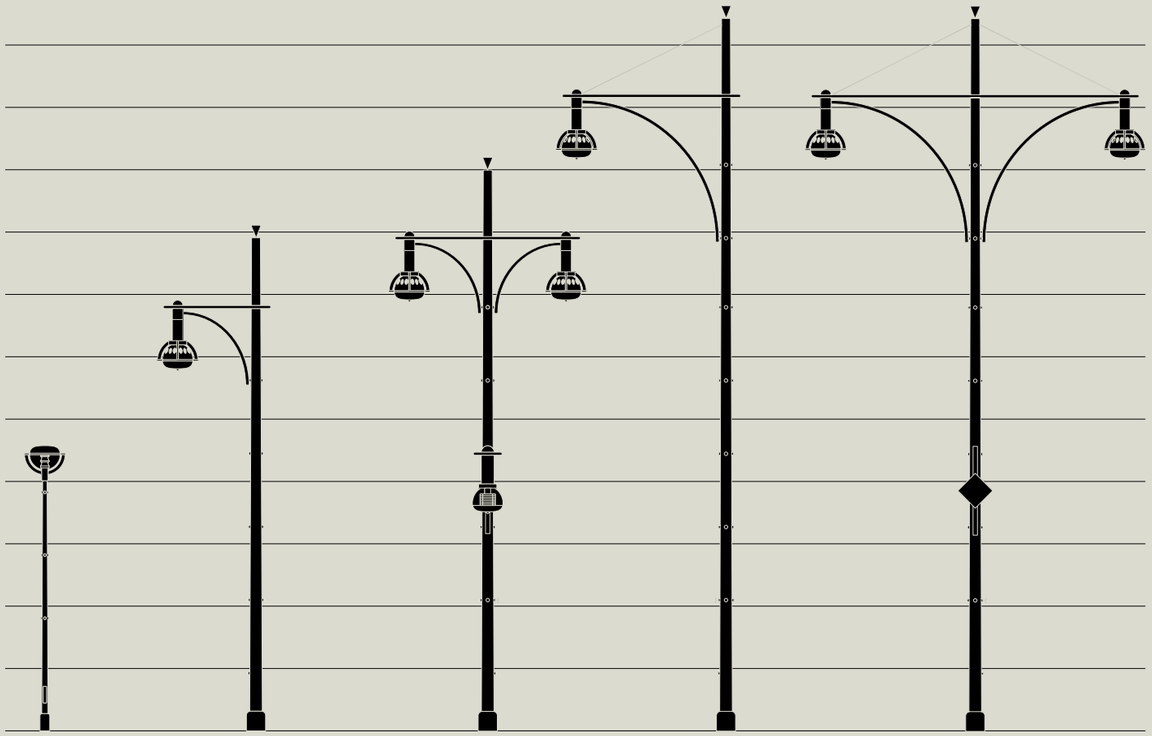


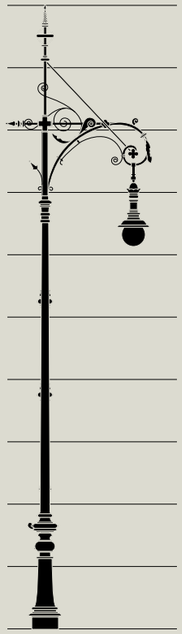
Family

Urbi 1




Urbi 3

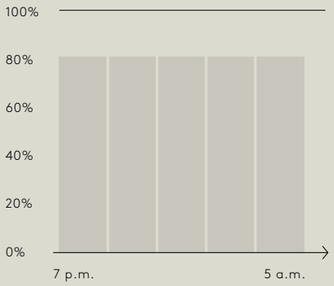


| Family | Schupmann | Hardenberg | Witzleben |
|---|---|---|---|
| 11 m | | | |
| 10 m | |  | |
| 9 m | | | |
| 8 m | | | |
| 7 m | | | |
| 6 m | | | |
| 5 m | | | |
| 4 m | | | |
| 3 m | | | |
| 2 m | | | |
| 1 m | | | |

Light controls

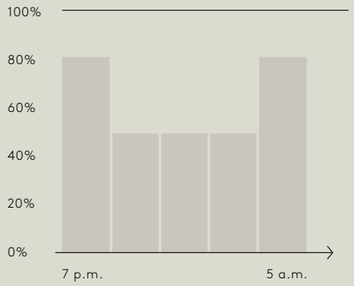
## For minimal energy consumption: The control unit.

Selux LED luminaires can be switched and dimmed via different interfaces. Intelligent controls allow for an adequate, individual and precise light composition. The user-orientated control sustainably reduces power consumption and optimises the $CO_2$ footprint.



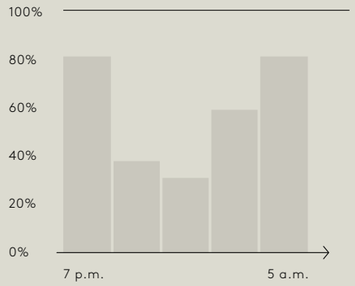

**Fixed setting – Constant low-energy operation**

In this operating mode the luminaire is not run at full power but maintained at a constant lower power setting. The power setting can be adjusted to meet site requirements.




**Phase controlled night-time switching – Switchable low-energy operation**

In the case of phase controlled night-time switching the luminaire can be switched between two power settings. The two power settings can be configured as required.

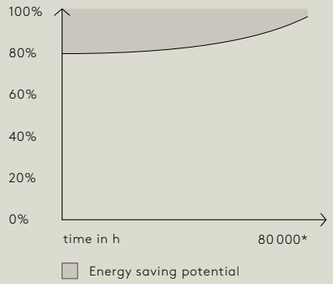



**Dynamic – Low-energy operation with up to five dimming settings**

The dynamic control enables low power operation of the luminaire at up to five different values. Power levels are programmed individually for each luminaire in the factory.

## CLT – Constant Lumen Technology

Conventional street lights are often overdimensioned to ensure lighting consistently conforms to standards despite loss of luminous flux. This overdimensioning of light output results in both increased energy consumption and increased luminance at the time of installation. The use of CLT ensures a constant lumen output of the luminaire over the course of its lifetime. The degradation of the LEDs are maintained by readjustment of power. This makes for additional benefits on the lifetime of the LED. In this way potential for savings is maximised by means of an ideally configured lighting system.






## Safety

| | Solid objects | Water |
|---|---|---|
| IP20 | solid objects > 12mm | no protection |
| IP40 | solid objects > 1mm | no protection |
| IP44 | solid objects > 1mm | protected against sprays |
| IP50 | dust-proof, protected against harmful deposits | no protection |
| IP54 | dust-proof, protected against harmful deposits | protected against sprays |
| IP65 | dust-proof | protected against jets of water |
| IP66 | dust-proof | protected against powerful jets of water |
| IP67 | dust-proof | protected against effects of temporary immersion in water |

Protective Rating with respect to the ingress of solid objects and water in accordance with EN 60 598. · Selux luminaires are generally rated as IP65.

### Protection classes

**Protection class I**
Luminaires with connection for earth conductor. The terminal is marked accordingly.

**Protection class II**
Luminaires constructed with protective insulation. The luminaire is marked accordingly.

**Protection class I optional protection class II**
Luminaires are generally supplied with protection class I, optional with protection class II.

**Protection class II optional protection class I**
Luminaires are generally supplied with protection class II, optional with protection class I.

**IK**
Classifications according to external mechanical loads according to EN 50102. Impact categories from IK02 (0.2J) for standard luminaires and IK04 (0.5J) for road and pathway luminaires. Further information is available on request.

**ENEC**
The ENEC certificate of every luminaire can be found on the respective data sheet.

### General information

**Materials**
All of our luminaires are made of tough, durable materials that can withstand standard mechanical loads and are resistant to corrosion.

**Electrical safety**
Selux luminaires are manufactured in accordance with the regulations laid down in the DIN EN 60598 (VDE 0711) European standard. The most important luminaire series are marked ENEC. Our laboratory facilities allow us to carry out the relevant initial testing procedures. Our laboratory is equipped to carry out all tests in accordance with DIN EN 60598.

**Operating conditions**
All luminaires are designed for operation at 230 V – 50 Hz. Other voltages and frequencies are available on request.

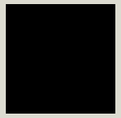
**Light distribution curves and isolux curves**
The selux website provides product data sheets for each famiily of luminaires. Polar light distribution curves give you a quick overview of the photometric data of any given luminaire. Light distribution curves (LDC) are also available for downloading in LDT or IES format.
All photometric data meet agreed standards and are based on measurements obtained for original luminaires on our calibrated goniophotometer.

**ISO 9001 and ISO 14001**
All companies in the Selux Group are ISO 9001 and ISO 14001 certified for the development, manufacture and distribution of Selux standard, custom designed and project related luminaires.

## Colours

### Category 1

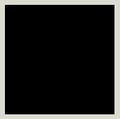
Selux graphite



Black matt
TIGER 059

### Category 2

**Grey & black colours**



Jet black
RAL 9005

Anthracite grey
RAL 7016

Graphite grey
RAL 7024

Iron grey
RAL 7011

**Aluminium**

Grey aluminium
RAL 9007

White aluminium
RAL 9006

**White**

Pure white
RAL 9010

Traffic white
RAL 9016

**Colours**

Pine green
RAL 6009

Moss green
RAL 6005

Sapphire blue
RAL 5003

Wine red
RAL 3005

**Pearl varnishes**

Pearled dark grey
DB 703

Pearled silver grey
DB 702

White aluminium
Perl DB 701

Special colours, seawater and salt air durable coating on request. RAL 9005 (jet black) and RAL 9006 (white aluminium) are in gloss level 30% (surface satin finish), all other RAL colours are in gloss level 60% (silky gloss finish).
Deviations in colour and gloss level are due to printing.



**Line**
**Special colours**

Sand

Clay

Concrete grey

**Olivio Wood**
**Special luminaire colours**

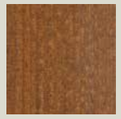
Liverpool

Sanssouci

Versailles

**Olivio Wood**
**Wooden pole finish**

Redwood



Canadian brown

Cool
Scandinavian

Himalaya grey

Rocky Mountain
grey

Teneriffa grey

About Selux

Every day light moves us to experience the new, time and time again. We at Selux are convinced that good light contributes to quality of life. Our global team with around 450 employees looks forward to helping you to create exceptional lighting projects and making our urban spaces more sustainable and attractive.

Imprint

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